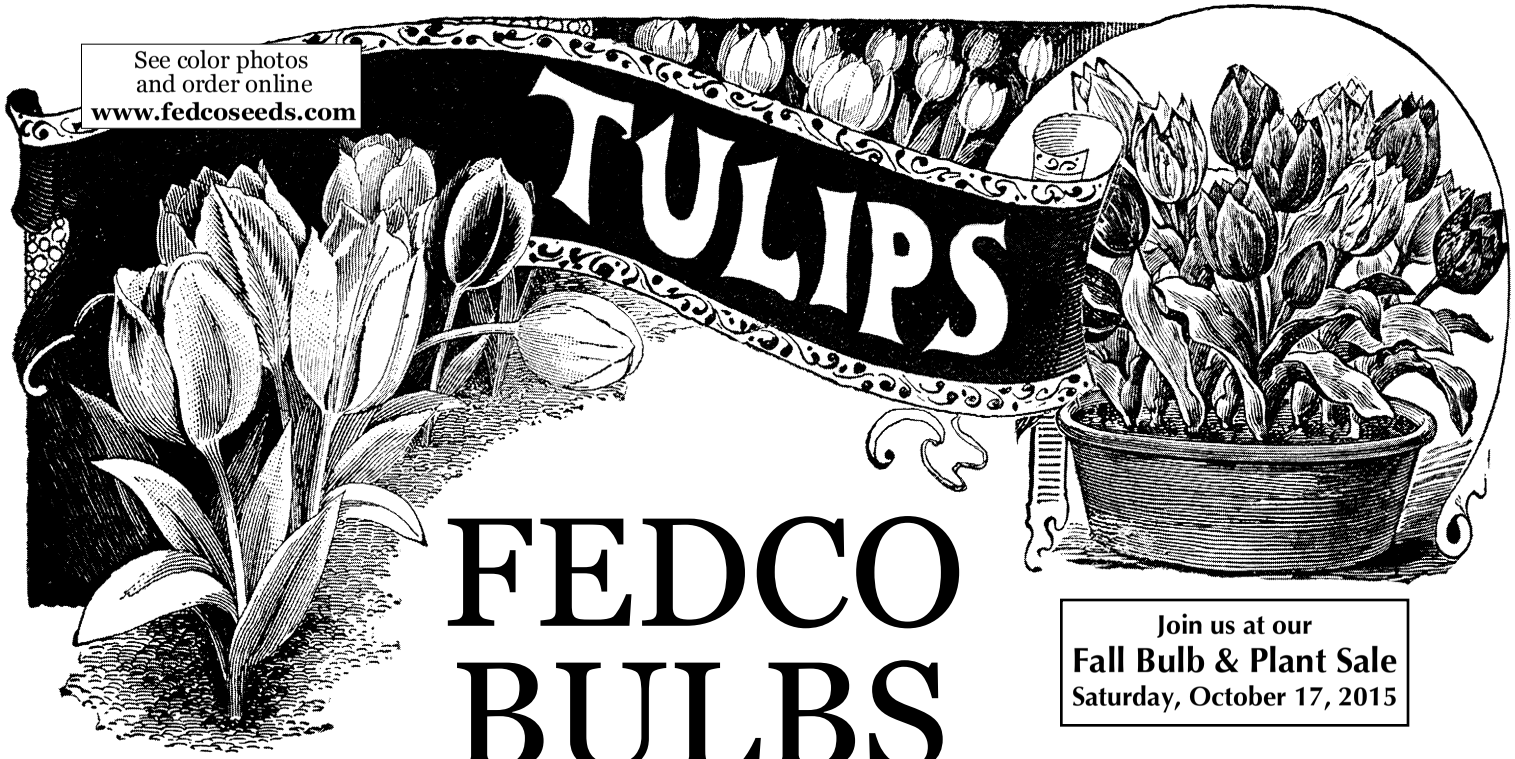
See color photos
and order online
www.fedcoseeds.com



FEDCO BULBS 2015

Join us at our
Fall Bulb & Plant Sale
Saturday, October 17, 2015

SEED GARLIC
See pages 3-5

Priced to Entice!
Crocus (p. 14-15)
Garden Tulips (p. 35-37)
Specially Priced!

Welcome to Fedco Bulbs' 31st year offering flowerbulbs and seed garlic.

We have lowered prices on tulips and crocus. Look for the symbol ✦¢✦ **highlighting enticing pricing** on **spring-flowering crocus** (pp. 14-15) and **Garden Tulips** (pp. 35-37), as well as other especially good values throughout the catalog.

We have added over 35 **NEW!** items. Among the early shipment items are local peonies, fall-flowering crocuses, short bearded irises as well as tall specimens and mixes. Among the main order listings are a braidable softneck garlic, martagon hybrids and other lilies, narcissus and tulips, including some jumbos. For stores and fundraisers is the Heirloom Collection rack with varieties going back 50 to 500 years.

We offer eight varieties of garlic this year, a testament to over 20 Maine farmers who have been growing an increasing share of the 2+ tons that Fedco has sold each year. May the harvest be a good one for all this year.

Our Fall Bulb and Plant Sale and pickup day will be on Saturday, October 17, 2015.

Fedco Bulbs is a branch of Fedco Seeds Inc, a consumer/worker cooperative. Write or email us with your suggestions, questions and comments. Your interest and support help keep us growing. On behalf of the Bulbs crew at Fedco, thank you.

Kip Penney

Please keep this catalog, as we send only one per year. On page 12 are general planting instructions and a chart with planting depths and spacing. Other plant requirements are given in the descriptions and on our website so you can plan your plantings before you receive your order.

Join us at our

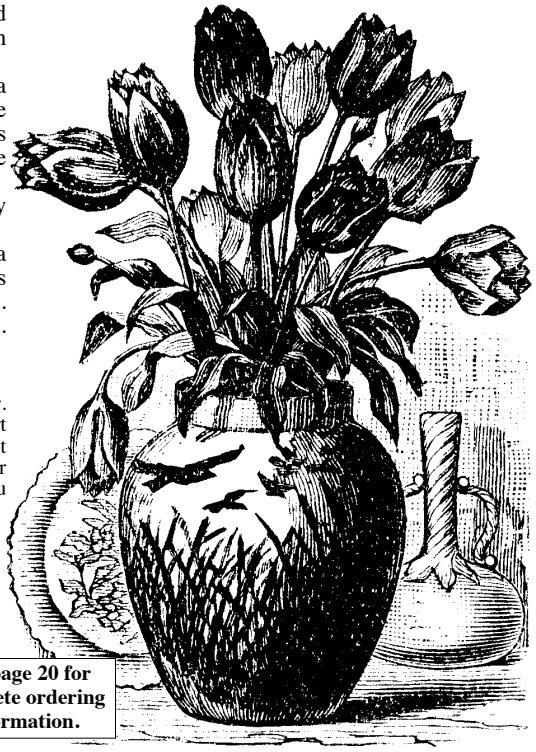
Fall Bulb & Plant Sale

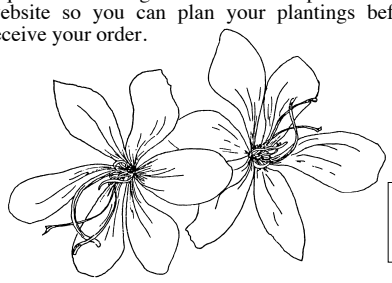
Saturday, October 17, 2015

from 9am-3pm

In addition to surplus flowerbulbs at discount prices, we'll have a great assortment from local growers of
• trees • fruiting plants • woody shrubs
• hard-to-find plants • potted plants
• plants not offered in the Fedco Trees catalog
• plants that don't handle well as bare-root.
• planting workshops • apple identification

Check our website after 9/15/15 for all the details.





See page 20 for complete ordering information.

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Seed Garlic

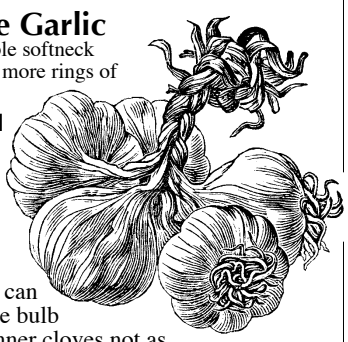
Allium sativum The bulb size, the size and number of cloves, and the skin color are partly determined by genetics, and partly by soil and weather.

Softneck garlic produces a braidable garlic with multiple rings of cloves. Softneck types have mostly lost the ability to produce flowering parts, only rarely making a stalk with flowering parts—but sometimes they bolt and produce extra "cloves" in the stem.

Hardneck types form a hard stalk which remains in the center of the bulb, with one ring of cloves. Harder to handle on a large commercial scale, as the flowering scapes must be cut off before they uncurl in order to encourage the bulb to size up. Hardnecks are closer to wild garlic, have a greater range of character than softnecks, generally have more flavor, and are better at handling severe winters. Not braidable, but can be tied and hung in attractive bundles. Harvested scapes can be added to stir-fries, pickles, pesto or salads.

Artichoke Garlic

Produces a braidable softneck garlic, with two or more rings of cloves. Z4-9.



Inchelium Red White paper has purple blotch. Usually forms two rings of cloves, 2-3 inner cloves and 6-7 outer cloves, but can make a very large bulb with 4-5 rings. Inner cloves not as tiny as in supermarket garlics. Very good flavor, but not intense; excellent raw. Decent keeper; good yields and bolt-resistance. We've brought small amounts to the Common Ground Fair in past years, and are pleased to have sufficient (though still limited) stock to begin to offer it more widely. Originally from Inchelium, WA (in-CHEE-lee-um). 50-60 cloves/lb. **Eco-grown, Maine Grown. NEW!**

2241: 3 bulbs for $12.50 2242: 2# for $40.00

Porcelain Garlic

Hardneck type produces 4-6 very large symmetrical cloves with tight porcelain-white skins, with excellent storage. Huge cloves are wonderful in the kitchen, and perfect for production pesto-making; but mean fewer cloves per pound, and slower propagation. Scapes form arches, curls and loose coils. Z3-8.

Georgian Fire - **Organic** - We are glad to have a local supply of this fiery garlic, with more bite than Georgian Crystal. Its pungent taste is loved by garlic aficionados and is truly excellent for heating up fresh salsas and sauces. Sizable bulbs with blushed inner skins store well. 20-30 cloves/lb. **Maine Grown. MOFGA-certified organic.**

2251: 3 bulbs for $14.00 2252: 2# for $45.00
2253: 5# for $95.00 2254: 20# for $290.00

German Extra-Hardy - Selected for size. Big bulbs typically yield four huge cloves; range is 3-5. White outer skin, red inner skins. Hardy plants, hearty flavor, excellent storage. May be the same as German Stiffneck and/or German White. 20-30 cloves/lb.

German Extra-Hardy **Maine Grown. MOFGA-certified organic.**

2261: 3 bulbs for $13.50 2262: 2# for $43.00
2263: 5# for $90.00 2264: 20# for $275.00

German Extra-Hardy **Eco-grown, Maine Grown.**

2271: 3 bulbs for $12.50 2272: 2# for $40.00
2273: 5# for $78.00

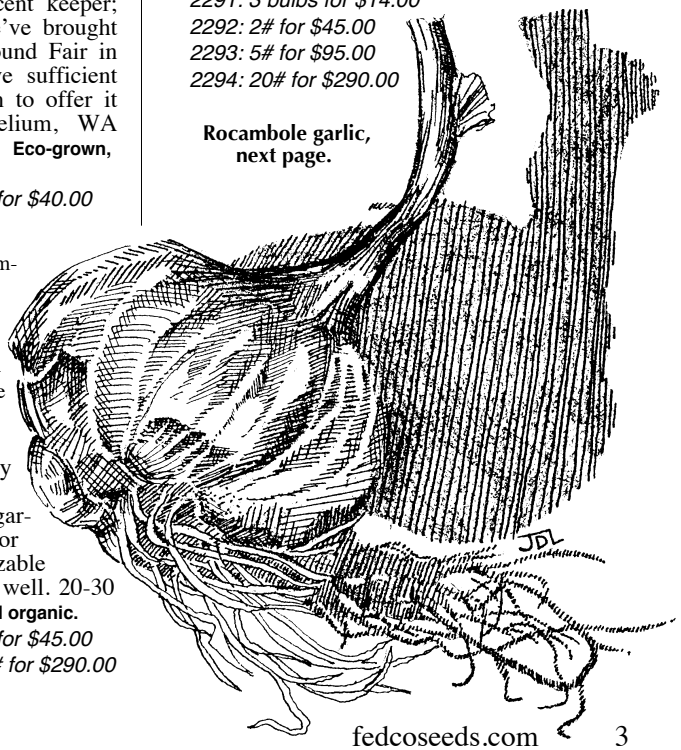
German White - This large-bulb hardneck, selected for size, yields 4-6 huge cloves, each equivalent to about two or three cloves of many other garlics. White outer skin, red inner covering. According to the USDA, this fine porcelain is genetically identical to German Extra Hardy, but customers and growers alike keep asking for German White by name. Excellent storage. 20-30 cloves/lb. Eco-grown in Maine and New York. **BACK!**

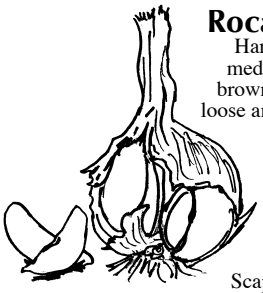
2281: 3 bulbs for $12.50 2282: 2# for $40.00
2283: 5# for $78.00

Music - **Organic** - Similar to German Extra-Hardy, with large succulent cloves. Al Music brought this variety from Italy to Ontario in the 1980s, where it became known as a very good cold-climate variety. Bakes up wonderfully. 20-30 cloves/lb. **Maine Grown. MOFGA-certified organic.**

2291: 3 bulbs for $14.00
2292: 2# for $45.00
2293: 5# for $95.00
2294: 20# for $290.00

Rocambole garlic, next page.





Rocambole Garlic

Hardneck type produces 5-13 medium-large cloves with tan, brown or reddish skins, slightly loose and relatively easy-peeling. Maybe because the clove skins are looser, a slightly shorter shelf life than Porcelains. Generally, stores well through February, and if cured well, can store months longer. Scapes form tight coils. Some claim this class has the finest, richest flavor. Z3-8.

German Red - Has a reddish burgundy skin and light brown cloves, with double cloves common. 6-12 cloves per bulb. Stores well up to six months or longer. Said to be a medieval strain of garlic brought to North America in the 1700s. 40-70 cloves/lb. **Eco-grown, Maine Grown.**

2301: 3 bulbs for $12.50
2302: 2# for $40.00
2303: 5# for $75.00

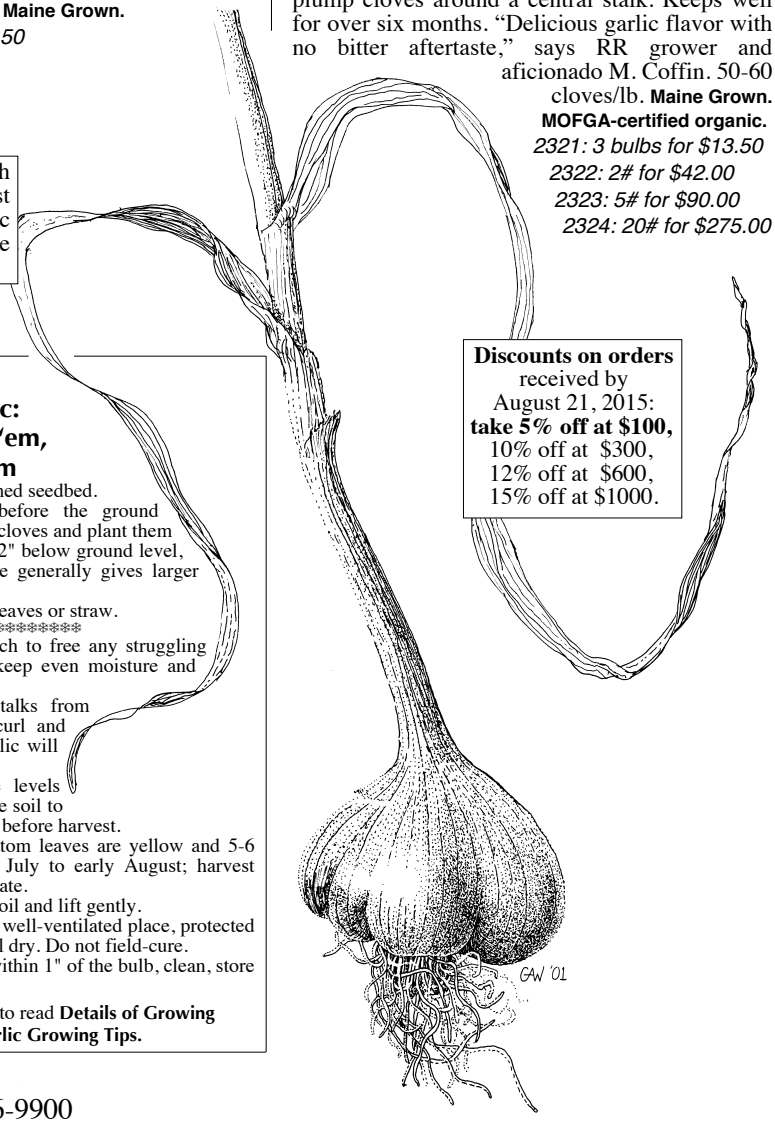
Phillips - Organic - Each bulb contains 6-12 large cloves with a milder flavor than Russian Red. The tan exterior skins and purple mottled clove coverings are more substantial than most Rocamboles; an excellent keeper. Slow to emerge in spring, so don't be alarmed when these take an extra two weeks to appear. They catch up quickly and mature at the same time as other varieties. Originally obtained from Raymond Rowe of Phillips, ME. 55-65 cloves/lb. **Maine Grown. MOFGA-certified organic.**

2311: 3 bulbs for $14.00 *2312: 2# for $45.00*
2313: 5# for $95.00 *2314: 20# for $290.00*

Russian Red - Organic - Named for its mottled burgundy skin, said to have been brought to the Pacific Northwest by Russian immigrants in the early 1900s. Forms a ring of 5-8 large plump cloves around a central stalk. Keeps well for over six months. "Delicious garlic flavor with no bitter aftertaste," says RR grower and aficionado M. Coffin. 50-60 cloves/lb. **Maine Grown. MOFGA-certified organic.**

2321: 3 bulbs for $13.50
2322: 2# for $42.00
2323: 5# for $90.00
2324: 20# for $275.00

Fedco requires each lot of garlic to test negative for garlic bloat nematode. See website for details.



Discounts on orders received by August 21, 2015: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Basics of Growing Garlic: feed 'em, weed 'em, give 'em room

Prepare a rich well-groomed seedbed.

Three to four weeks before the ground freezes, break the bulb into cloves and plant them 4-5" deep, the tops at least 2" below ground level, and 4-8" apart. More space generally gives larger bulbs.

Mulch with 4-6" of hay, leaves or straw.

❄❄❄❄❄❄❄❄❄❄❄❄❄❄❄❄❄

In spring, move the mulch to free any struggling spears, then replace it to keep even moisture and prevent weeds.

Cut off the "flower" stalks from hardnecks before they uncurl and stand up. Left on, your garlic will be smaller.

Maintain even moisture levels during the season. Allow the soil to dry beginning about a week before harvest.

Check growth, when bottom leaves are yellow and 5-6 leaves are still green, late July to early August; harvest before cloves begin to separate.

Use a fork to loosen the soil and lift gently.

Tie and hang to cure in a well-ventilated place, protected from both sun and rain, until dry. Do not field-cure.

Trim roots, trim tops to within 1" of the bulb, clean, store in a cool dry place, enjoy.

Visit www.fedcoseeds.com to read **Details of Growing Garlic** and **Blue-Ribbon Garlic Growing Tips.**

from *Growing Great Garlic*
by Ron L. Engeland

***Growing Great Garlic:** The Definitive Guide for Organic Gardeners and Small Farmers* by Ron L. Engeland, 213 pages, 6x9, softcover. If garlic is one of your passions, you'll enjoy this book. From an expert who has grown and sold over 100 strains, Engeland's excellent guide to growing garlic has become a classic. Discusses varietal differences, touches on fascinating history, and provides in-depth information on growing, harvesting, storing and marketing.

2211: $17.50

***The Complete Book of Garlic:** A Guide for Gardeners, Growers and Serious Cooks* by Ted Jordan Meredith, 330 pages, 8¼ x 10¼, hardcover. Photos, photos, photos—to get you up close and personal with not only the botany but also the beauty—are part of what makes this book an invaluable resource for the garlic fan. Meredith describes nearly 150 cultivars. Read and learn about different types of garlic, or the difference between German Red and Russian Red—or consult the Quick Guides for the condensed basics.

Growing specs, storage conditions, culinary advice, nutritional benefits, history, taxonomy, chemistry, botany—it's all here, with research distilled into concise recommendations so you can weigh in on that age-old debate of when to harvest scapes, or culinary tenderness against bulb storage capability. A good winter's read that will have you salivating for new varieties or methods to try next year. ✦✦✦

2221: $37.00

Mesh Garlic Bags - Red poly mesh with a fold-over stitch-sealed "Fresh Produce" label on one end of the 24" long bag. Fill from other end—will stretch to 8" diameter—then tie off. Write on the label or put a sticker over it. Holds up to 10 pounds of garlic or onions in an air-flow–friendly bag for curing or storing, or a convenient packaging for markets.

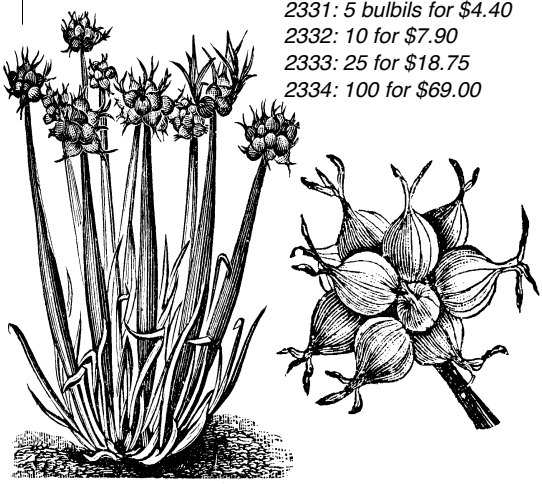
2231: 5 for $2.00
2232: 25 for $8.00
2233: 50 for $14.00
2234: 250 for $55.00

Walking Onions - **Organic**
Allium x *proliferum* Also called **Tree Onions** or **Top-setting Onions** or **Egyptian Walking Onions**. With a number of harvest options, these make an excellent addition to any permaculture garden. Edible topset bulbils form in place of flowers; individual bulbils range ¼-½" in diameter and form a clump 2-2½" across.

In spring, harvest bulbs and greens to use as scallions. In summer, snip off bulbils or dig bulbs (⅜-1" across) to use like onions, shallots or garlic. If you leave them on the plant until their weight bends the stalk to the ground, the bulbils do their own planting, "walking" to the next planting spot. Or, save topsets in a cool, dark and airy place until your next planting time, which can be either just before the ground freezes or the following spring.

Plant bulbils 1-2" deep, 4-6" apart in rows 10-12" apart in well-prepared soil. Depending on your harvest style, by the second summer after initial planting, they can become perennial and self sowing. Approximately 5 large bulbils per ounce, 70-90 bulbils per pound. Z3-8. 18-24". **Iowa DALS-certified organic.**

2331: 5 bulbils for $4.40
2332: 10 for $7.90
2333: 25 for $18.75
2334: 100 for $69.00



Indoor Bulbs

lift our spirits during long northern winters. More satisfying than cut flowers because we get to watch as the foliage grows. Enjoy the anticipation as the flower buds form, swell and finally burst open.

Many people stagger their planting times to prolong the season. If you don't plant the bulbs right away, store them in a cool dry dark place.

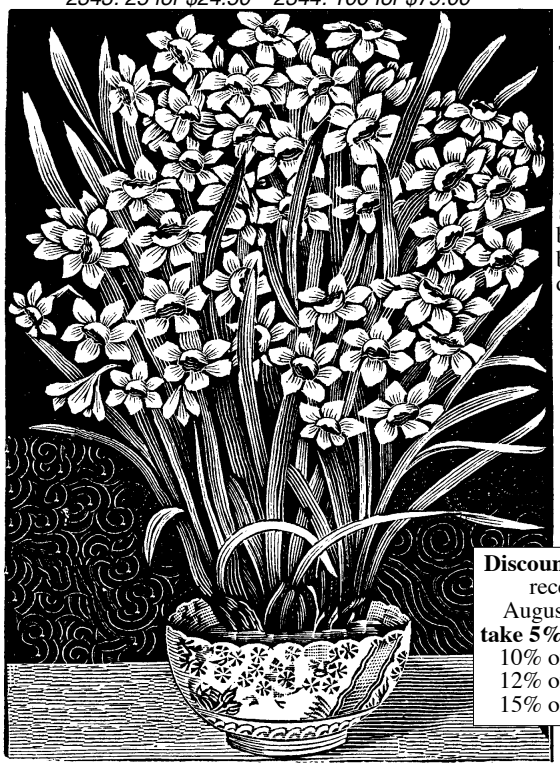
Paperwhites or Indoor Narcissus -

Narcissus tazetta - Tall slender stems bear masses of fragrant delicate flowers. Must be grown indoors in Zones 1-6. 'Ziva' is ready to grow, requiring no cold period; all the others will bloom more reliably if allowed to start in a cool place. The longer you store bulbs before planting, the more quickly they bloom. October plantings usually bloom in 4-6 weeks; February plantings may take as little as 2-3 weeks.

Plant in pebbles or marbles, keeping bulbs above the waterline, or plant in soil for longer-lasting flowers. Group 5-8 bulbs in a container 6" in diameter for a full appearance. Allow to root in a cool (45-60°) dry dark place, for about 3 weeks, checking water level often. Some plantings may need staking to support heavy flower heads.

'Chinese Sacred Lily' - *N. t.* var. *orientalis* - White petals with a golden yellow cup. Takes longer to root than other varieties and has fewer flowers, but its enchanting sweet fragrance is worth it. Having them blooming on the first day of the Chinese lunar new year is said to be auspicious. 16-20", 15-16cm.

2341: 5 for $6.10 *2342: 10 for $10.25*
2343: 25 for $24.50 *2344: 100 for $79.00*



'Constantinople' - Highly doubled form of 'Chinese Sacred Lily', with clusters of creamy white petals and very ruffled golden to orange cups. In 1730, Robert Furber listed 'Double Narcissus of Constantinople' in his *Twelve Months of Flowers*. Fragrant. 12-14", 16-17 cm.

2351: 5 for $6.35 *2352: 10 for $10.75*
2353: 25 for $25.75 *2354: 100 for $82.00*

'Grand Soleil d'Or' - French heirloom "Great Golden Sun" has medium golden-yellow petals and an orange cup. Light fruity scent. Takes a couple of weeks longer than 'Ziva' to bloom, about 4-6 weeks. 12-14", 15-16cm.

2361: 5 for $5.25 *2362: 10 for $8.95*
2363: 25 for $19.50 *2364: 100 for $71.00*

'Nir' - All-white blooms have slightly larger florets than 'Ziva', with a more moderate fragrance. 'Nir' also has more stems per bulb than other types, and will hold for late planting longer than 'Ziva'. 14-16". Jumbo 19cm/up bulbs.

2371: 5 for $7.00 *2372: 10 for $12.00*
2373: 25 for $28.00 *2374: 100 for $88.00*

'Ziva' - White flowers bloom early with strong musky spicy fragrance. Has the most flowers, and is one of the quickest to bloom, about 2-3 weeks, once planted. If you don't plant until late winter, you'll find them growing in storage! 16-18".

Jumbo **'Ziva'** 17-19cm. ✦¢✦

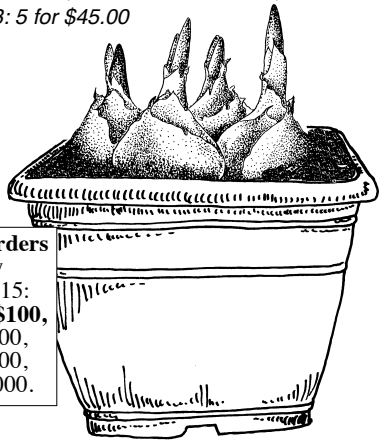
2381: 5 for $6.10 *2382: 10 for $10.25*
2383: 25 for $24.50 *2384: 100 for $79.00*

Topsize **'Ziva'** 16-17cm.

2391: 5 for $5.75 *2392: 10 for $9.00*
2393: 25 for $20.50 *2394: 100 for $70.00*

Paperwhite Planter Kit - Includes four 'Ziva' paperwhites, a white 5½x5½"-square, 5"-tall molded plastic pot, and enough "professional growing medium" to plant the 14-15cm bulbs; all snug inside a spill-proof illustrated box. Store in a cool dry place to hold for holiday gift-giving. Planter style is **NEW!**

2401: 1 for $10.00 *2402: 2 for $19.00*
2403: 5 for $45.00



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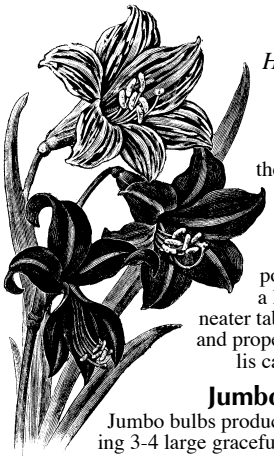


Amaryllis

Hippeastrum - originate from Central and South America, and grow outdoors in Zones 9-10. In frostier climes we plant these magnificent easy-to-grow hybrid marvels indoors and enjoy blooms throughout the winter. Remove the pollen-bearing anthers for a longer bloom time and a neater tabletop. With simple care and proper soil nutrients, amaryllis can return year after year.

Jumbo Amaryllis

Jumbo bulbs produce 2 or more stalks bearing 3-4 large graceful 6-8" blooms per stalk.

'Apple Blossom' - A classically graceful pastel beauty. White lightly brushed with streaks of pink. 18-20". 30-32cm.

2411: 1 for $12.25 2412: 2 for $22.50
2413: 3 for $32.00 2414: 6 for $59.00

'Green Goddess' - Gleaming white petals with lime green centers, especially deep inside along the mid-ribs. Up to 12 flowers per bulb and flowers up to 8" across. 16-24". 26-28cm.

2421: 1 for $12.00 2422: 2 for $22.00
2423: 3 for $32.00 2424: 6 for $57.00

'Red Lion' - Big, bold and bright. The classic red amaryllis. 20-22". 30-32cm bulbs from Peru. Harvested earlier than the Dutch-grown bulbs, and will tend to bloom earlier as well.

2431: 1 for $9.00 2432: 2 for $17.00
2433: 3 for $23.50 2434: 6 for $40.00

Plant Amaryllis between October and May for flowering between December and June

If you don't plant it right away, store the bulb in a dry dark cool area (45-50°)

Before planting, dangle the roots in lukewarm water for a few hours.

Plant in a pot slightly larger than the bulb. Use rocks at the bottom of the pot to improve drainage. Cover the bulb to the neck with potting soil or compost. Press the soil firmly around the bulb.

Or, place the bulb in a clear vase with 1" of decorative stones or glass for ballast. Fill vase with water just high enough to keep the roots covered.

In the first few weeks, water sparingly. After the bud-stalk and leaves emerge, water more frequently. Direct sunlight and warm temperatures encourage proper growth. Amaryllis generally bloom 6-8 weeks after planting; the flowers last nearly 2 weeks.

Cut the stem close to the bulb after the flower fades. The leaves will continue to grow, and need regular feeding with good bulb fertilizer. Once the danger of frost has passed, the plant can go outdoors.

In late summer, stop watering and allow the leaves to die back (or let the first light frost kill them). Before hard frost, bring potted plants inside and place in a dry cool dark place for 8-12 weeks to simulate dormancy.

Bring the bulb back to room temperature, resume watering, and its flowering cycle will begin again.

'Royal Velvet' - Richly saturated deep red flower touched with maroon entices you to peer into its velvety near-black center. 20-25". 26-28cm.

2441: 1 for $12.25 2442: 2 for $22.50
2443: 3 for $32.75 2444: 6 for $59.00

Double Amaryllis

Doubled petals provide a rich lush appearance. Large flowers can be top-heavy; use a heavyweight pot to maintain stability, or plant slightly deeper. 2 or more stalks with 3-4 blooms per stalk.

'Red Nymph' - With double and even triple petals, this magnificent deep red specimen is known for its opulent, bounteous, and plentitudinous pizzazz. 16-20" stalks with flowers nearly 10" across! 24-26cm.

2451: 1 for $12.00 2452: 2 for $22.00
2453: 3 for $32.00 2454: 6 for $58.00

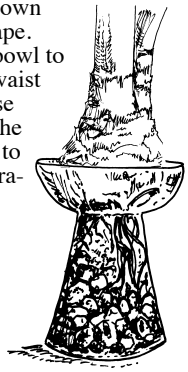
Miniature Amaryllis

Produce 2-3 stems nearly as tall as the Jumbos, but the 3-4 flowers per stem, at 3-4" across, are more delicate. Also less tippy!

'La Paz' - Spider-type with slender 5" petals. Upper petals dusky red and burgundy-streaked rose, with touches of light green. Lower petals pale green with red spots and streaks. Long luminous pale green anthers. Parentage includes Bolivian *H. cybister*. 18-24". 22cm/up.

2461: 1 for $12.00 2462: 2 for $22.00
2463: 3 for $32.00 2464: 6 for $57.00

Amaryllis Vases



Angel Vase - Crystal clear blown glass in a modified "angel" shape. Stands 7" tall, with a 5"-wide bowl to set the bulb. A 2½"-diameter waist keeps the bulb in place; the vase gently flares back out to 5" at the base. Plenty of room for roots to dangle into the water and decorative glass or rocks for bottom weights. Illustrated here, and a photo on our website. ✦¢✦

2471: 1 for $9.00
2472: 2 for $15.00
2473: 3 for $20.00
2474: 6 for $37.00

Cylinder Vase - Clear cylindrical glass vase, 5" diameter and 6" tall, will hold the largest amaryllis or 3 topsize paperwhites. Fill the bottom inch or two with soil or decorative stones or glass to create root space. Low center of gravity helps prevent tipping. Hand-blown in Mexico. Illustrated here, with a photo on our website.

2481: 1 for $7.35
2482: 2 for $12.25
2483: 3 for $16.50
2484: 6 for $30.00

Early Shipment of Fall-blooming Corms

Only these "E" items on pp. 8-11 are available for early September shipment. **Final order date for these items is Friday, August 21.**

Colchicum - Colloquially called **Fall Crocus** and in some locales **Meadow Saffron** (but don't taste it, it's toxic. Real saffron offered at right). Flowerstalks emerge in September, months after the leaves have died back, giving rise to the terms Naked Boys (in the U.S.) and Naked Girls (in Britain).

In early fall, the large bulb-like corms send up cup- or goblet-shaped crocus-like 4-8" flowers, up to five per stem, in shades pastel to vibrant. Handsome glossy broad 8-12" leaves emerge in spring to feed the corms, then die back by late summer to make way for fall's naked bloom,

Plant base 5" deep in fertile, well-drained soil. And do it *soon* after their arrival or you may find flowers climbing out of their bags. Grows well in full sun or partial shade. Native to western Asia and parts of the Mediterranean. Z4-9.

'The Giant' - Violet to rosy pink with a white base, a hybrid of *C. giganteum* x *C. bornmuelleri*. 3" petals open nearly flat in bright sun and can form a cheery mat over time. 6-8", 20cm/up. ✦¢✦

E1011: 1 for $5.50 E1012: 3 for $13.70
E1013: 6 for $24.75 E1014: 12 for $46.00

'Waterlily' - *C. speciosum* hybrid - Pink to mauve many-petalled fully doubled flowers in early fall really do look like waterlilies sprouting from the ground. May take a year to establish before flowering. We had some surplus bulbs in 2009 that bloomed in the boxes, pale and wan. I carefully transplanted them with the flowers above ground in early October. They colored up, and have bloomed beautifully each year since. 5-6", 14cm/up.

E1021: 1 for $6.10 E1022: 3 for $16.00
E1023: 6 for $29.00 E1024: 12 for $55.00

Autumn-flowering Crocus - Plant these in a sunny well-drained somewhat protected spot where they will be visible.

C. sativus - **Saffron Crocus** - Valued for millennia for its three extra-long orange-red stigmas collected for dye, medicine and seasoning. The domesticated sterile flower opens broadly in the October sun, with classic crocus leaves. Petals range from light lilac to violet with darker veins. While it takes about 68,000 flowers to make a pound of saffron, you can begin your home supply, harvesting and drying the stigmas at just the right fleeting moment.

May not bloom the first autumn. Prefers friable well-watered, well-drained soil high in organic matter in full sun. Lightly forking the bed in summer when corms are dormant will help separate and spread bulblets in the bed. Native to southwest Asia. Some say Zone 6, but others say Z5-9 with good drainage and a deep mulch over the winter, 3-4". 9cm/up.

E1031: 5 for $3.00 E1032: 10 for $5.00
E1033: 25 for $11.50 E1034: 100 for $38.00

Saffron Crocus Planter Kit - Five fall-blooming saffron crocus bulbs and a 5"-diameter, 5 1/4"-high ceramic planter. Also includes enough "professional growing medium" for planting, in a spill-proof package for shipping. Suitable for display indoors or out. Some for yourself, some to plant and give as gifts. Illustrated above, and pictured on our website. 9cm/up. Planter style is **NEW!**

E1041: 1 for $14.00 E1042: 2 for $25.00
E1043: 5 for $60.00

C. speciosus - Violet blue, earliest of the fall-flowering crocus to bloom, so plant them promptly. Wild fringey stamens inside veined flowers on long stems. Plant closely for support, or among ground covers. Spreads easily and rapidly. Leafs out in spring. Z4-9, 4", perhaps taller in later years. 6cm/up.

E1051: 5 for $3.50 E1052: 10 for $5.75
E1053: 25 for $13.25 E1054: 100 for $47.00

Fall-flowering Crocus Mix

These autumn-flowering crocuses provide a welcome kick of low-growing color in white, purple, lilac, pink and violet with brilliantly contrasting anthers and stamens of oranges and lemon yellows. For coastal and southerly areas. Includes *C. sativus*, *C. speciosus*, Z6-10, 4-6", 6cm/up. **NEW!**

E1061: 10 for $6.75 E1062: 20 for $11.40
E1063: 50 for $26.75 E1064: 100 for $49.00

Early Shipment of Perennials

Daylilies - *Hemerocallis* - Low-maintenance perennials which produce a clump of narrow arched leaves topped with a scape of lily-shaped flowers from July to September. A single daylily flower has three petals and three sepals, all six together called tepals, each with a midrib in the same or in a contrasting color. The genus name *Hemerocallis* means beautiful day, referring to each flower lasting only a day; but since each flower scape is covered with buds, bloom periods can be extensive.

Plant 12-18" apart in average soil; benefits from a shovel or two of compost. Very hardy, flourishes under a wide range of conditions, from full sun to shade, wet to dry. To aid rebloomers, remove spent flowers before they form seed capsules. U.S.-grown 2-3 fan divisions, except where noted. Z3-9, E-MSu, except where noted.

'Franz Hals' - Smart-looking two-tone dusky orange-red inner three petals with medium yellow mid-rib. In contrast, three outer petals are all yellow. Pale green deep in throat. 34-36". ✦¢✦

E1071: 1 for $3.75 E1072: 3 for $9.50
E1073: 6 for $17.00 E1074: 12 for $31.00

'Glowing Delight' - Although not officially a rebloomer, this brilliant gold variety with 6½" lightly ruffled flowers puts on a delightful daily show from late June into August. Grown in Waldo County. 36". **Maine Grown. NEW!**

E1081: 1 for $5.75 E1082: 3 for $14.50
E1083: 6 for $25.50 E1084: 12 for $46.00

'Pandora's Box' - Well-known 4" fragrant flower has ivory-cream petals with a purple-maroon eye ring and a gold-yellow throat. Really stunning. Z3-8, 28".

E1091: 1 for $5.75 E1092: 3 for $14.50
E1093: 6 for $25.50 E1094: 12 for $47.00

'Purple de Oro' - Lavender-purple tepals with darker purple veins, lighter mid ribs, yellow-gold throat. Broad, slightly reflexed and ruffle-edged 3" petals. Its continuous blooming tendencies, 18-24" flower stalks, and compact habit make this Stella family member excellent for containers as well as the garden. Yellow throat, and light green deep in eye. E-LSu. ✦¢✦

E1101: 1 for $5.00 E1102: 3 for $13.00
E1103: 6 for $23.00 E1104: 12 for $41.00

'Ruby Stella' - Dark ruby flowers with deep wine-red markings, a striking yellow-bordered greenish throat, and red anthers for highlights. Blooms from early summer until first frost. Foliage from 14-18" tall and flower scapes up to 22". Once established, tolerates drought. This prolific bloomer performs best in full sun and does not require deadheading, pruning or pinching. Z4-11, E-LSu.

E1111: 1 for $5.75 E1112: 3 for $14.50
E1113: 6 for $25.50 E1114: 12 for $47.00

'Serene Madonna' - Broad, slightly reflexed creamy white 6" tepals, edges lightly fluted, with lemony yellow to pale green throat. Fragrant and a repeat bloomer. 26".

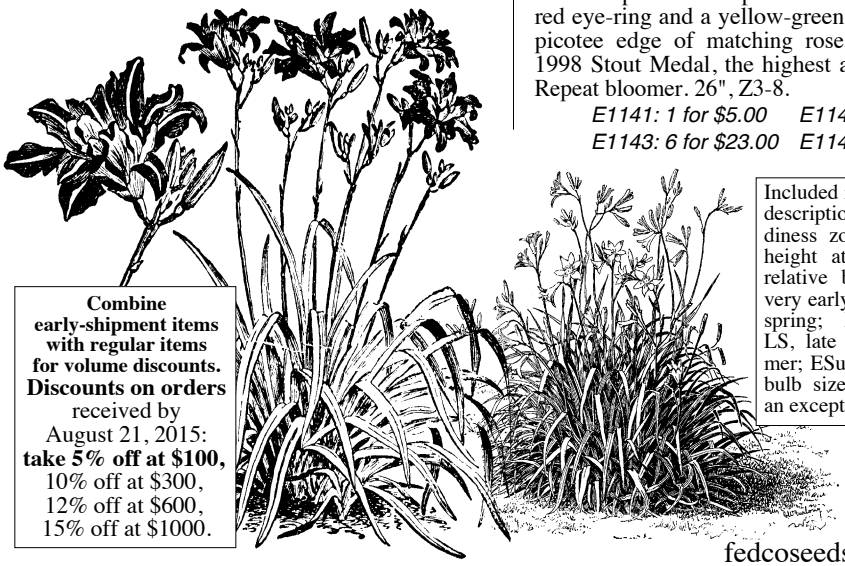
E1121: 1 for $5.25 E1122: 3 for $13.75
E1123: 6 for $24.50 E1124: 12 for $43.00

'Stella Supreme' - Soft lemon tepals, mildly reflexed, with a citrus scent. Like its parent 'Stella de Oro', 'Stella Supreme' blooms early and lasts even longer, often until the first frost. Foliage reaches 14" and flower scapes reach 20". Performs best in full sun, is drought tolerant and does not require deadheading, pruning or pinching. Z4-11, E-LSu.

E1131: 1 for $5.75 E1132: 3 for $14.50
E1133: 6 for $25.50 E1134: 12 for $47.00

'Strawberry Candy' - Deliciously pale to medium pink 4-5" tepals surround a broad rose-red eye-ring and a yellow-green throat. Often has picotee edge of matching rose. Winner of the 1998 Stout Medal, the highest award from AHS. Repeat bloomer. 26", Z3-8.

E1141: 1 for $5.00 E1142: 3 for $13.00
E1143: 6 for $23.00 E1144: 12 for $41.00



Combine early-shipment items with regular items for volume discounts.
Discounts on orders received by August 21, 2015: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦¢✦ indicates an exceptionally good deal.

Bearded Iris - *Iris* x *germanica*

A hardy perennial and fine cutflower, with multiple 3-6" blooms on each flower stalk. Strong sword-shaped foliage. Beards are soft hairs protruding up from the crest of each fall, often in contrasting colors. Awards listed are given by the American Iris Society.

Blooming begins in the first real heat of late May or early June. Rebloomers may have a second bloom later in the season depending on climate and cultivation.

Plant rhizomes horizontally, less than 1" deep, in clusters with new growth facing outward. Vigorous plants, so give them room to spread. They appreciate full sun and dry, light, limed soil and require good drainage. May take a year to establish before blooming. Clumps need dividing every 4-5 years. Z4-8, LS-ESu. #1 field-grown rhizomes.

Miniature Iris

'Absolute Joy' - Peachy apricot relatively short standards top this barely 1' tall specimen of joy. Similarly colored base and edges on the falls, marked by a broad violet-magenta blush and dark veins. Orange beards sit up nicely. **NEW!**

E1151: 1 for $6.75 E1152: 3 for $17.00
E1153: 6 for $31.00 E1154: 12 for $58.00

'Fireplace Embers' - The falls are two-tone looking like a golden-yellow pansy with a maroon to brown eye-patch and brushed orange beards. Golden-yellow standards sit tall atop this miniature 10" warm beauty. **NEW!**

E1161: 1 for $6.75 E1162: 3 for $17.00
E1163: 6 for $31.00 E1164: 12 for $59.00

'Ice and Indigo' - As implied, ice with indigo markings. Standards white to gleaming icy blue. The complementary indigo stretches from the beard in broad patches to within 1/4-1/2" of the ice-blue ruffled petal edges. Only 10" tall. **NEW!**

E1171: 1 for $6.75 E1172: 3 for $17.00
E1173: 6 for $31.00 E1174: 12 for $58.00

Tall Bearded Iris

'Avalon Sunset' - Eye-catching sunny orange standards and falls with tangerine beards, gorgeous ruffles, and strong sturdy stalks that won't pass out when the wind picks up! Three to four stems produce 8–10 buds each. Mid to late. 36" tall. **NEW!**

E1181: 1 for $7.75 E1182: 3 for $21.00
E1183: 6 for $38.00 E1184: 12 for $66.00

'Batik' - Standards and falls rich blue-purple with distinctively "etched" or "batiked" streaks of white throughout, and a shimmering gold and silver beard. No two flowers are exactly the same. 24-26". 1992 Knowlton Award winner.

E1191: 1 for $6.50 E1192: 3 for $16.30
E1193: 6 for $29.50 E1194: 12 for $52.00

'Beverly Sills' - Pale laced coral pink with tangerine beards, ruffled and flaring. This award-winning reblooming iris is our best seller. Fast growing and heavy blooming. 1983 Award of Merit, 1985 American Dykes Medal. 30-35".

E1201: 1 for $6.75
E1202: 3 for $17.00
E1203: 6 for $31.00
E1204: 12 for $58.00

'Eternal Bliss' - Luminous gleaming all-white iris has a hint of warm light pinkish-orange back where the beard glows out of the shadows. If you water it well, it can be a rebloomer that will help maintain your bliss, at least over the whole iris-blooming season. 32-35". ✦℮✦ **NEW!**

E1211: 1 for $5.25 E1212: 3 for $13.75
E1213: 6 for $24.50 E1214: 12 for $44.00

'Firebreather' - Intense deep orange standards and falls with a fiery red-orange beard breathing out between them. This classic dragon may take away your breath. 36-42". **NEW!**

E1221: 1 for $5.50 E1222: 3 for $14.25
E1223: 6 for $25.25 E1224: 12 for $45.00

'Ozark Rebounder' - Standards and edges of falls in shades of purple—exactly what shade depends on the light. Centers of falls are darker purple, almost black, with crisp white streaks near the beard. Tall, fragrant and in some locations a rebloomer. 28-36". **NEW!**

E1231: 1 for $5.25 E1232: 3 for $13.75
E1233: 6 for $24.50 E1234: 12 for $44.00

'Sangria' - Dark wine standards with darker veins sit on purple-black falls with a dark orange beards. Feel the tension slide away as you drink in its wine-and-citrus glory. 24". **NEW!**

E1241: 1 for $6.75 E1242: 3 for $17.00
E1243: 6 for $31.00 E1244: 12 for $58.00

As Above So Below Bearded Iris Mix - The same color scheme above and below. Either solid colors, or matching streaking on standards and falls. This mix contains purple, blue, white, pink, yellow, orange and maroon. Beards are a close tint for overall uniform coloring. 28-40". **NEW!**

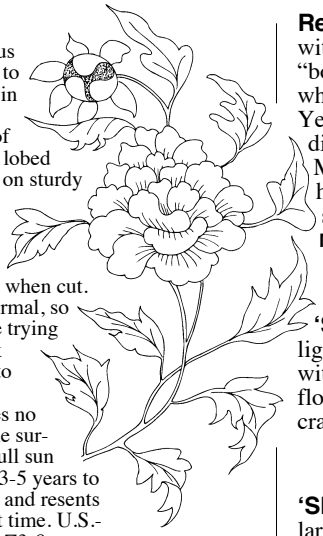
E1251: 4 for $19.50 E1252: 8 for $37.00
E1253: 12 for $50.00 E1254: 24 for $95.00

Light over Dark Bearded Iris Mix - Lighter standards above contrasting darker falls. The color change might evoke an out-loud "Wow!" or it might be dreamily subtle, but all are appealing in the garden or vase. Includes white, blue, wine, purple, maroon, yellow, raspberry, orange or apricot. 24-40". **NEW!**

E1261: 4 for $20.00 E1262: 8 for $38.00
E1263: 12 for $53.00 E1264: 24 for $99.00

Peonies - Reliable, long-lived hardy herbaceous perennials. Maroonish-red to forest green shoots appear in mid-spring, and form a bushy clump, about 3x3', of lustrous dark green deeply lobed foliage. Fat spherical buds on sturdy stems above the foliage gradually open from late spring to early summer. Huge flowers are stunning on the bush and wonderful when cut. Ants on peony buds are normal, so leave them alone; if you're trying to bring cuts indoors, dunk them in a bucket of water to rinse off the ants.

Plant 2-3' apart with eyes no more than 1-1½" below the surface in well-drained soil, full sun to partial shade. May take 3-5 years to establish before blooming, and resents being disturbed during that time. U.S.-grown roots with 2/3 eyes. Z3-8.



Chinese Peonies

Paeonia lactiflora The species is native from Tibet to Siberia, and a medicinal in China. LS-ESu.

'Benjamin Franklin' - Like its namesake, this peony is a very hardy late bloomer. A substantial double, deep red with slight lavender tinge, this 1907 cultivar had been hidden in the archives for decades and has begun to be appreciated again for its prolific blooms and tantalizing fragrance. 20-24".

E1271: 1 for $7.60 E1272: 2 for $13.00
E1273: 3 for $18.50 E1274: 6 for $34.00

'Bowl of Beauty' - Sublime bicolor with pastel rose-red petals inside and soft pink outside contrasting with a large frilly creamy yellow staminode center. Beautiful "Japanese" or "anemone" flowers are up to 8" wide. 24-30".

E1281: 1 for $8.75 E1282: 2 for $16.50
E1283: 3 for $22.50 E1284: 6 for $39.00

'Coral Charm' - Coral is apropos for this indefinable melange of apricot, melon, pink, peach, yellow and even orange. This semi-double Japanese-type flower, 6" across, tends to stay cupped until late in its lengthy bloom time. Then, fading a bit toward yellow, its petals relax to display their striking yellow-gold centers. 24-28".

E1291: 1 for $9.00 E1292: 2 for $17.00
E1293: 3 for $23.50 E1294: 6 for $42.00

'Duchesse de Nemours' - Syn. '**Mrs. Gwyn Lewis**'. Early for a peony, the Duchesse produces fully double 5-7" flowers with spreading outer petals completely mounded over with lush white fragrant ruffled inner petals. Center petals are lit from within by their luminous yellow base. A notably sturdy and vigorous cultivar. 28-32".

E1301: 1 for $8.50 E1302: 2 for $16.00
E1303: 3 for $23.00 E1304: 6 for $39.00

Red Anemone - **Organic** - Bright crimson red with flattened outer "guard" petals. Semi-double "bomb" type forms a crown of deep red petaloids which seemingly burst up out of the guard petals. Yellow staminodes buried in center. Showy 4" diameter flowers bloom early-mid season. The Maine grower says that once established they have "a gazillion blooms" on their sturdy stems. 22-26". 3/5 eye. **Maine Grown. MOFGA-certified organic. NEW!**

E1311: 1 for $8.50 E1312: 2 for $16.00
E1313: 3 for $23.00 E1314: 6 for $39.00

'Sarah Bernhardt' - Fragrant flowers open light rose-pink. Matures to a more delicate pink with a slight creamy-silvery edge. Fully double flowers, 6-8" across, appear richly full but not crammed, late in the peony season. 32-36". ✦¢✦

E1321: 1 for $5.75 E1322: 2 for $10.90
E1323: 3 for $16.00 E1324: 6 for $29.00

'Shirley Temple' - **Organic** - Highly fragrant large fully doubled flowers up to 8" across. Pale pink as they emerge, lightening to white as they mature. Early to mid peony-blooming season, long lasting, very strong stems, no staking required, good cutflower as well as dried. 32-36". 3/5 eye. **Maine Grown. MOFGA-certified organic. NEW!**

E1331: 1 for $8.50 E1332: 2 for $16.00
E1333: 3 for $23.00 E1334: 6 for $39.00

European Peonies

Paeonia officinalis

Also called **Memorial Day Peony**. Fully double 4-5" flowers appear *early*. Its grey-green oval leaves look different from the more common Chinese peony. Sturdy stems support the satiny ruffled petals. Compact habit makes it suitable for containers. In gardens since the 16th century. LS.

'Alba Plena' - Creamy-white fully doubled slightly ruffled 4-5" flowers; some hints of rose at the petal edges early in its bloom stage. Less commonly available than 'Rubra'. 28-30". **NEW!**

E1341: 1 for $7.50 E1342: 2 for $12.50
E1343: 3 for $17.00 E1344: 6 for $34.00

'Rubra Plena' - Intense crimson red 4-5" fully doubled ruffled flowers. May need staking in windy locations. 30-34".

E1351: 1 for $7.50 E1352: 2 for $12.50
E1353: 3 for $17.00 E1354: 6 for $33.00

Only these "E" items on pp. 8-11 are available for shipment early September. **Final order date for these items is Fri., Aug. 21.**

Planting Outdoors

All the varieties of outdoor bulbs we offer are adapted to Maine's climate. With the climate changing, Waterville has been re-designated from USDA Zone 4 to Zone 5. Fifty miles to the west in the mountains is still Zone 3 however; and fifty miles east or south, on the coast, is now Zone 6. Local cold pockets, northern slopes, hills and lakes can all affect your micro-climate, and may make the large-scale maps printed by the USDA inaccurate for your plot. Your cooperative extension service may have maps showing local zones. You can use rock walls and heavy mulch to shift conditions to your advantage.

Planning and Planting

Bulbs are easy to work with, very rewarding and forgiving. They look best planted in groups or clumps, naturalized in the sod, under trees, or in beds, borders or rock garden. Good drainage is essential; bulbs will grow poorly or rot if they are too wet.

Prepare beds by mixing a bulb fertilizer, bonemeal and wood ashes, or other phosphorus and potassium sources into the soil below the level of the bulbs. Mix in compost to lighten heavy soils and increase nutrients. Peat is acidic—use with caution. Although widely available, Holland Bulb Booster contains ingredients which are not approved for organic growers.

Plant bulbs pointed side up; generally the depth of the hole is three times the bulb's height. See the chart on this page showing suggested planting depth and spacing. Topdress the bed with compost.

Mulch your bulbs with 4-6" of leaves, bark, straw, etc. after the ground freezes, especially if you plant them next to your house. Otherwise, basement heat and reflected sunlight will remove the insulating snow cover, exposing them to alternating sunny days and freezing nights and damaging their growth tips. Wherever they're planted, bulbs need insulation. You need to mulch unless you can depend on winter to provide a consistent snow cover heavy enough to last through a January thaw. A good mulch can also give protection up to half a hardiness zone, enabling you to experiment with bulbs not quite hardy in your zone.

Do not remove the mulch too early in the spring. By keeping the soil from thawing, mulch prevents heaving and false starts in early warm spells and delays flowering slightly for a more uniform and longer-lasting display. Remove mulch as the bulbs begin to peek through in the spring and dress the bed with compost.

Pinch the blooms as they fade to discourage seed production and force the energy back into the bulb. This is especially important for tulips and hyacinths, which can otherwise lose their flowering vigor in 2-3 years.

Do not cut the foliage as long as it remains green; it produces the food for future blooms. Cut leaves only after they yellow. Sidedress with fertilizer or compost in late summer to mid-fall.

Troubleshooting

If squirrels, chipmunks or voles are a problem, try chicken wire or sharp gravel placed in the ground surrounding the bulbs. (Blood meal repels many critters, but it may also repel people and attract dogs.) Or plant Narcissus, Allium, Fritillaria or Ipheion, which critters don't generally bother.

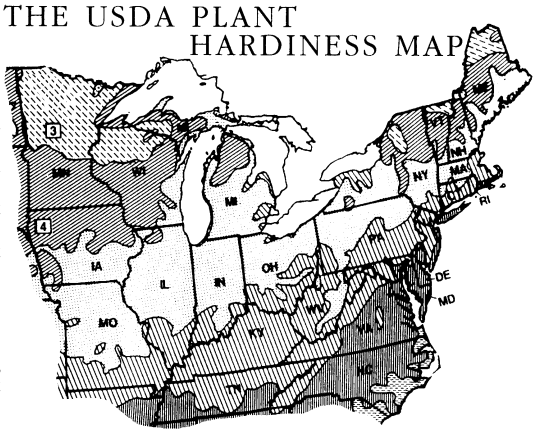
To disrupt squirrels' ability to "smell out" the bulbs in new plantings, we routinely dust those areas with black pepper and ground cloves in the fall right after planting and again in the spring when growth first emerges. The odor in the yard, reminiscent of chai, is a nice touch.

TYPE	SPACING	DEPTH
ALLIUM, large	6-12" apart	4-8"
ALLIUM, small	1-3" apart	3-4"
ANEMONE blanda ‡	4" apart	2-3"
CAMASSIA	6-8" apart	4-6"
CHIONODOXA	1-3" apart	3-4"
COLCHICUM*	6-9" apart	4"
CROCUS, fall, jumbo & snow	1-4" apart	3-4"
CYCLAMEN	6-8" apart	1-2"
ERANTHIS ‡*	3-4" apart	3-4"
ERYTHRONIUM	3-4" apart	4"
FRITILLARIA imperialis*	8-10" apart	6"
FRITILLARIA meleagris	4-5" apart	3-4"
GARLIC*	4-6" apart	5-6"
GALANTHUS*	2-4" apart	3-4"
HEMEROCALLIS*	12-18" apart	to 1"
HYACINTH*	3-4" apart	5-8"
HYACINTHOIDES*	3-4" apart	3-5"
IPHEION*	1-3" apart	2-3"
IRIS, dwarf, dutch	1-4" apart	3-4"
IRIS, bearded*	6-18" apart	to 1"
IRIS, siberian, japanese	6-8" apart	2-3"
LEUCOJUM*	2-3" apart	2-3"
LILY*	6" apart	6-8"
MUSCARI	2-3" apart	3-4"
NARCISSUS, Tall	4-6" apart	6-10"
NARCISSUS, Short	3-4" apart	4-6"
NECTAROSCORDUM	4-8" apart	2-3"
ORNITHOGALUM	3-4" apart	3-4"
PEONY*	2-3' apart	to 1"
PUSCHKINIA	2-4" apart	3-4"
SCILLA	2-4" apart	3-4"
TULIPS, garden*	4-6" apart	6-10"
TULIPS, species	2-3" apart	3-4"

Use deeper depths for colder areas and in sandy soils.
*Additional planting information is in descriptions or headers.
‡Corms: soak 24 hours before planting.

If after several years your bulbs produce leaves but not flowers, they may be suffering from overcrowding (dig in autumn, separate and replant), insufficient sun (move to new location), undernourishment (sidedress thoroughly) or marginal zone hardiness (give to a friend further south).

THE USDA PLANT HARDINESS MAP



Range of average annual minimum temperatures for each zone

Zone 3	-40° to	-30°	Zone 6	-10° to	0°
Zone 4	-30° to	-20°	Zone 7	0° to	10°
Zone 5	-20° to	-10°	Zone 8	10° to	20°

Supplies & Tools

Bulb Fertilizer

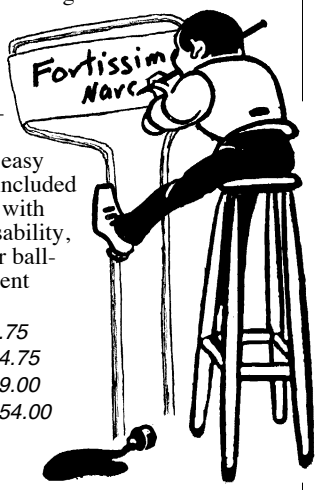
Our own blend of slow-release fertilizers plus trace minerals: non-GMO soybean meal, Tennessee brown phosphate, K-mag, greensand and kelp meal. Immediately available nutrients 3-3-2, with total 3-5.6-2.2 released over time. Permitted by MOFGA on certified-organic farms. No animal by-products means no dogs or skunks will be digging up your bulbs. Use 1-2 tsp per bulb mixed into loosened soil below planting depth, or 5# per 40-50 sq. ft. as a topdressing after planting and again each spring.

2491: 5# for $6.75 *2492: 10# for $11.00*
2493: 20# for $19.00 *2494: 50# for $38.00*

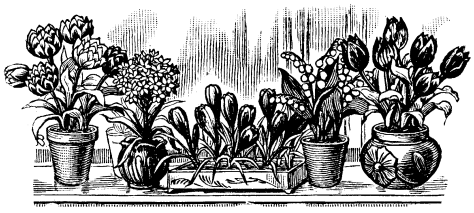
Plant Markers

Zinc-coated nameplates on galvanized steel wire provide long-term outdoor labeling. Cap-style marker is 10½" tall with a ⅞x2¼" nameplate, tilted slightly backward to provide easy viewing. Mark with included soft carbon pencil or with grease pencil for erasability, or with hard pencil or ballpoint pen for permanent engraved label.

2501: 10 for $7.75
2502: 25 for $14.75
2503: 50 for $29.00
2504: 100 for $54.00



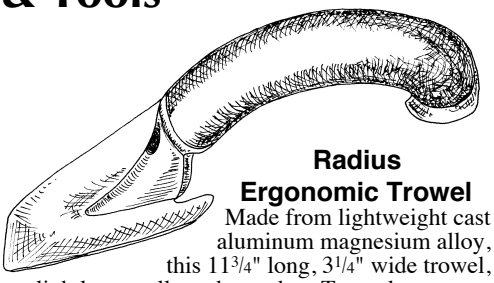
Organic Growers Supply ships orders year-round, offering work gloves, Bug Baffler clothing, more styles of plant markers, soil amendments and organic fertilizers, cover crops, season extenders, irrigation set-ups, books, and other tools and supplies for farm, garden and orchard. **fedcoseeds.com/ogs.htm**



Forcing Bulbs Indoors

With a little time and attention, you can enjoy your favorite spring bulbs indoors all winter long. While paperwhites and amaryllis are ready to plant and grow, all other bulbs must be cooled for a time to fulfill their winter dormancy requirements before they will flower. This cooling process is called "forcing" and mimics the action of nature outdoors.

For details on forcing, please visit our website.



Radius Ergonomic Trowel

Made from lightweight cast aluminum magnesium alloy, this 11¾" long, 3¼" wide trowel, slightly smaller than the Transplanter we formerly offered, works better for smaller hands. Cushioned foam-covered curved handle directs the power of your hand and arm efficiently. Sturdy ergonomic tool helps avoid bruised palms and sore wrists and elbows. Made in China.

2511: 1 for $16.00 *2512: 2 for $30.00*

Wilcox All-Pro Heavy-Duty Tools

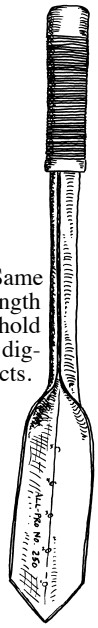
These strong one-piece tools are nearly indestructible, and will not rust or bend, even when digging in hard soil. Forged stainless steel V-shaped blade is 3" wide, has a sharp point for cutting sod or soil, and an etched depth guide. A comfortable non-slip easy-grip plastic handle, and a leather thong for wrist or hanging. Made in Iowa.

14" Digging Trowel - With its 9" long blade, this is our favorite on-your-knees garden tool and our best seller.

2521: 1 for $18.00
2522: 2 for $33.00

22" Long-handled Trowel - Same style blade as above, but the extra length between the 8" blade and the easy-to-hold handle gives you even more leverage digging in hard soil for naturalizing projects.

2531: 1 for $25.00
2532: 2 for $46.00



Collections

contain each variety individually packaged and labeled, all topsize bulbs (except where noted). Planting suggestions accompany each collection. We reserve the right to substitute a similar variety should one become unavailable.

Blue Wave Collection - Waves of spring keep coming with this shades-of-blue collection. Plan a blue wave in your garden front to back, from shorties of crocus to tall alliums. Shades of blue begin with 10 each of crocus 'Blue Pearl' and 'Flower Record' followed soon thereafter by 10 *Scilla siberica* and 3 hyacinth 'Delft Blue'. The tide recedes for a week or so until 10 *Muscari armeniacum* bloom, followed by 5 tulip 'Passionale'. A later and higher tide will bring 5 tulip 'Cum Laude', then 10 Dutch Iris 'Sapphire Beauty'. The last wave will display a bit of a trough in 10 shorter *Allium caeruleum* but end on a high peak with 2 *Allium giganteum*. 75 bulbs. 3"-4'. VE-ESu.

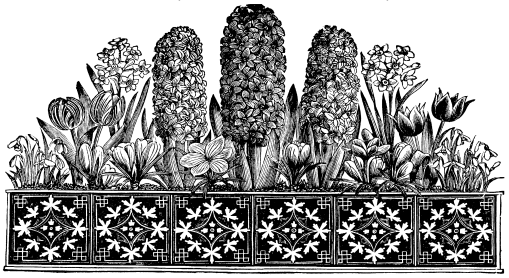
2541: 1 for $29.00 2542: 2 for $55.00

The Low Border - A "heralds of spring" early border, for 3-4 sq. ft, with crocus, dwarf iris, snowdrops and more. Early spring color for tucking into a corner, for naturalizing, or for overplanting in an existing bed. Ninety bulbs: 10 Jumbo Crocus mix (lansdcape size, 7-8cm), 10 Species Crocus mix, 10 *Iris danfordiae*, 10 *Iris reticulata* 'Dark Blue', 10 *Chionodoxa forbesii*, 10 *Eranthis*, 10 *Galanthus nivalis*, 10 *Puschkinia scilloides*, 10 *Scilla siberica*. Most will slowly spread and fill in over time.

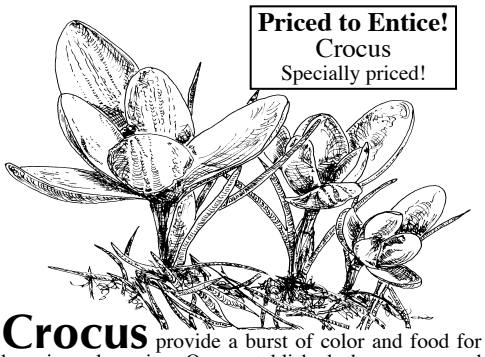
2551: 1 for $27.00 2552: 2 for $49.00

Heirloom Bulbs Collection Rack - This collection of 60 picture-sporting packages of heirloom flowerbulbs is especially suited for stores or fall fundraisers, taking up less than 3 sq. ft. of floor space. Some of these heirloom varieties have been in cultivation for over 500 years, others "only" since the mid-1950s. Sturdy corrugated pedestal rack includes attractive signage and 2-4 packages per variety of bulbs in packages of 3 to 20 depending on the kind of bulb. Includes daffodils, alliums, tulips, crocus, muscari, hyacinths, fritillaria, scilla, anemone, wood hyacinth and summer snowflake. Rack is 48" high, 19" wide, 17" deep. 60 packages, 22 varieties, 442 bulbs total. For more info, please see our website. **NEW!**

2561: 1 for $175.00 2562: 2 for $340.00



Priced to Entice!
Crocus
Specially priced!



Crocus provide a burst of color and food for bees in early spring. Once established, they can spread by "cormlets" and seed in well-drained areas. Foliage of low-growing varieties fades before the grass needs mowing. One of the most popular genera, they are welcome precursors of spring—colorful, long-lived, and easy to grow. Their waxy coat allows them to bloom even through a late snow.

Species Crocus mix - A mix of colors, mostly *C. chrysanthus*, with some of the other small species as well. Z3-8, 2-4", VE. 5cm/up. ✦¢✦

3511: 20 for $3.80 3512: 40 for $6.35
3513: 100 for $14.25 3514: 300 for $51.00

Snow Crocus *C. chrysanthus*

The best-known small crocus species. Up to 4 fragrant flowers per corm, with rounded petals. Native to Greece, Turkey and the Balkans. Z3-8, 3-4", VE. 5cm/up.

'Blue Bird' - Violet-blue petals edged in white. Inside, white to pale blue with orange stamens. ✦¢✦

3521: 10 for $2.90 3522: 20 for $4.85
3523: 50 for $10.95 3524: 200 for $38.00

'Blue Pearl' - Pale blue petals with a bronze base outside, pearly white and pale blue inside with a yellow base. ✦¢✦

3531: 10 for $2.60 3532: 20 for $4.35
3533: 50 for $10.25 3534: 200 for $34.00

'Cream Beauty' - Light eggnog cream with a bronze base and orange stamens. Attractive color is unusual for a crocus. ✦¢✦

3541: 10 for $2.25 3542: 20 for $3.75
3543: 50 for $8.50 3544: 200 for $29.00

'Dorothy' - Bright deep orange-yellow inside with a light feathering of bronze on the base outside. 6cm/up. ✦¢✦

3551: 10 for $3.00 3552: 20 for $5.00
3553: 50 for $11.25 3554: 200 for $40.00

'Lady Killer' - **Also known as 'Ballet'.** Slightly pointed petals broadly brushed with royal purple on the outside. Inside is snow white, with bright orange stamens for a striking contrast. Sharp and snappy, a real good looker. ✦¢✦

3561: 10 for $2.40 3562: 20 for $4.00
3563: 50 for $9.50 3564: 200 for $33.00

'Snow Bunting' - Winter white with a gold center, very lightly feathered grey-blue on the outside. Lightly fragrant. 6cm/up. ✦¢✦ **NEW!**

3571: 10 for $2.50 3572: 20 for $4.25
3573: 50 for $10.00 3574: 200 for $34.00

'Yellow Mammoth' - *Crocus* x *luteus* (*C. flavus* x *C. angustifolius*) - The classic big yellow crocus, perhaps the most popular crocus variety for over 300 years, is also sold under the names Golden Yellow, Giant Yellow, and Grote Geele. Vigorous, 2-5 large flowers per corm. Sterile; spreads by offsets. Blooms slightly before the Jumbo Crocuses, and often is grouped with them. Z3-8, 4-6", VE-ES. 8-9cm. ✦¢✦

3581: 10 for $3.50 *3582: 20 for $5.75*
3583: 50 for $13.50 *3584: 200 for $47.00*

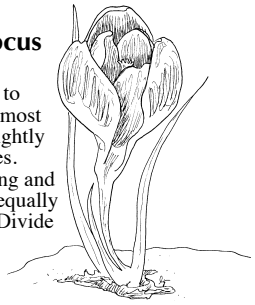
'Tricolor' - *C. sieberi* sbsp. *sublimus* f. *tricolor* - Golden-orange throat banded with white makes a vivid center in these bright lilac-blue blooms. Not subtle but sublimely striking in the garden or forced indoors. Sometimes the flowers emerge before the leaves; flowers open wide and starlike. One to three scented flowers per corm. Vigorous species native to Greece and Crete. Z4-8, 2-3", VE. 5cm/up. ✦¢✦

3591: 10 for $2.35 *3592: 20 for $3.95*
3593: 50 for $8.95 *3594: 200 for $30.00*

'Ruby Giant' - *C. tommasinianus* - Deep purplish red slender flowers with a lighter base and margins. Pointy petals, 1-2 flowers per corm, and a very pronounced white stripe on the leaves. Doesn't compete well in grass, but easily reseeds itself and forms colonies in gardens. Large, almost as large as the Jumbos, vigorous and free-flowering. The most tolerant of moisture during the dormant period. Species called **Woodland Crocus**, native to Bulgaria and Dalmatia. Z3-8, 3-4", VE. 5cm/up. ✦¢✦

3601: 10 for $2.20 *3602: 20 for $3.70*
3603: 50 for $8.40 *3604: 200 for $27.00*

Jumbo or Dutch Crocus
C. vernus



While "jumbo" relative only to other crocuses, these are the most commonly grown crocus. Slightly later than the smaller varieties. Good for bedding, naturalizing and forcing. Solitary flowers do equally well in sun or partial shade. Divide every 3-4 years to prevent overcrowding. Z3-8, 4-6", VE-ES. 8-9cm.

'Flower Record' - Deep violet-mauve flowers with a purple base. Spreads readily. Popular since its introduction in Victorian times as **'Crocus Purpurea Grandiflora'**. ✦¢✦

3611: 10 for $3.40 *3612: 20 for $5.60*
3613: 50 for $13.25 *3614: 200 for $46.00*

'Jeanne d'Arc' - Gleaming pure white petals and bright orange pistils. Pair it with any other for brilliant contrast. ✦¢✦

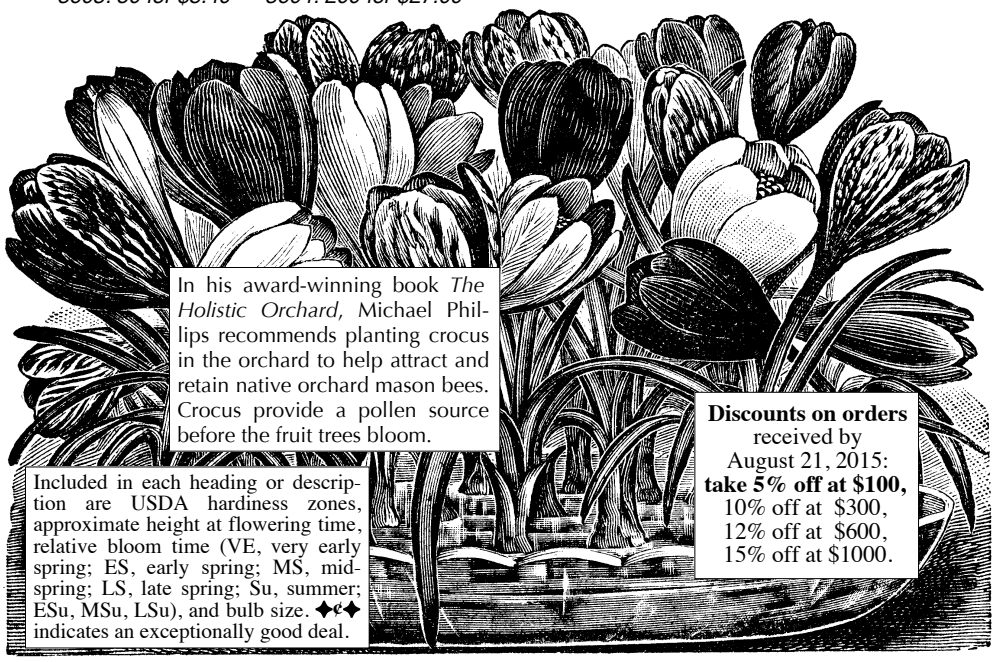
3621: 10 for $3.40 *3622: 20 for $5.60*
3623: 50 for $13.25 *3624: 200 for $45.00*

'Pickwick' - Marble-white petals striped and tinged with lilac-purple veins. ✦¢✦

3631: 10 for $3.40 *3632: 20 for $5.60*
3633: 50 for $13.25 *3634: 200 for $46.00*

Jumbo Crocus mix - Yellow, white, purple, blue and stripes, for large-scale naturalizing or border plantings. Landscape size, 7-8cm. ✦¢✦

3641: 20 for $4.90 *3642: 40 for $8.10*
3643: 100 for $19.00 *3644: 300 for $47.00*



In his award-winning book *The Holistic Orchard*, Michael Phillips recommends planting crocus in the orchard to help attract and retain native orchard mason bees. Crocus provide a pollen source before the fruit trees bloom.

Included in each heading or description are USDA hardiness zones, approximate height at flowering time, relative bloom time (VE, very early spring; ES, early spring; MS, mid-spring; LS, late spring; Su, summer; ESu, MSu, LSu), and bulb size. ✦¢✦ indicates an exceptionally good deal.

Discounts on orders received by August 21, 2015: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

Hyacinths

Hyacinthus orientalis were more popular than either tulips or daffodils 130 years ago. Their heady fragrance and range of color make them a favorite in the spring. The wafts of perfume from around the yard are remarkable—even passers-by notice the scent. An old Persian proverb says that if you have two loaves of bread, you should sell one to buy hyacinths.

For best showing year after year, plant bulbs deep in rich well-drained soil in full sun and fertilize each fall. After the first year, the florets are slightly smaller and not as dense. Grow them in the border in close bunches or meandering drifts. Because a natural compound in the bulbs can cause "hyacinth itch," wear gloves during planting, and wash with cold water and plain soap after handling the bulbs. Z4-8, 8-12", ES-MS.

'Atlantic' - Sun-splashed lighter edges on dark lilac to purple florets, with amethyst veins. Aromatic beauty offers a sublime color contrast to daffodils. 15-16cm. **NEW!**

4821: 3 for $3.50 *4822: 6 for $5.75*
4823: 12 for $10.50 *4824: 48 for $38.00*

'City of Haarlem' - Pastel creamy yellow, a counterpoint to dark hyacinths or a complement to narcissus. 15-16cm.

4831: 3 for $3.50 *4832: 6 for $5.75*
4833: 12 for $10.50 *4834: 48 for $37.00*

'Delft Blue' - Rich soft porcelain blue. The classic hyacinth color that goes with everything. In the current-day city of Delft there still exists one factory making the blue porcelainware as they have for over 350 years. 16-17cm. ✦¢✦

4841: 3 for $3.95 *4842: 6 for $6.65*
4843: 12 for $12.00 *4844: 48 for $44.00*

'Peter Stuyvesant' - Deep blue to royal purple. Strong sun fades many dark varieties, but Peter holds color well. Also bred for strong stems to withstand hard wind and rain. 15-16cm.

4851: 3 for $3.75 *4852: 6 for $6.25*
4853: 12 for $11.25 *4854: 48 for $39.00*

'Pink Pearl' - Deep rose pink with pale pink edges. Very fragrant. 16-17cm.

4861: 3 for $3.95 *4862: 6 for $6.65*
4863: 12 for $12.00 *4864: 48 for $44.00*

'Woodstock' - Marvelous rich violet-red color, like beets with a hint of magenta. Very full flower and definitely a stand-out. 15-16cm.

4871: 3 for $3.75 *4872: 6 for $6.25*
4873: 12 for $11.25 *4874: 48 for $39.00*

Hyacinth mix - Most of the above colors, along with red, white and more. 15-16cm.

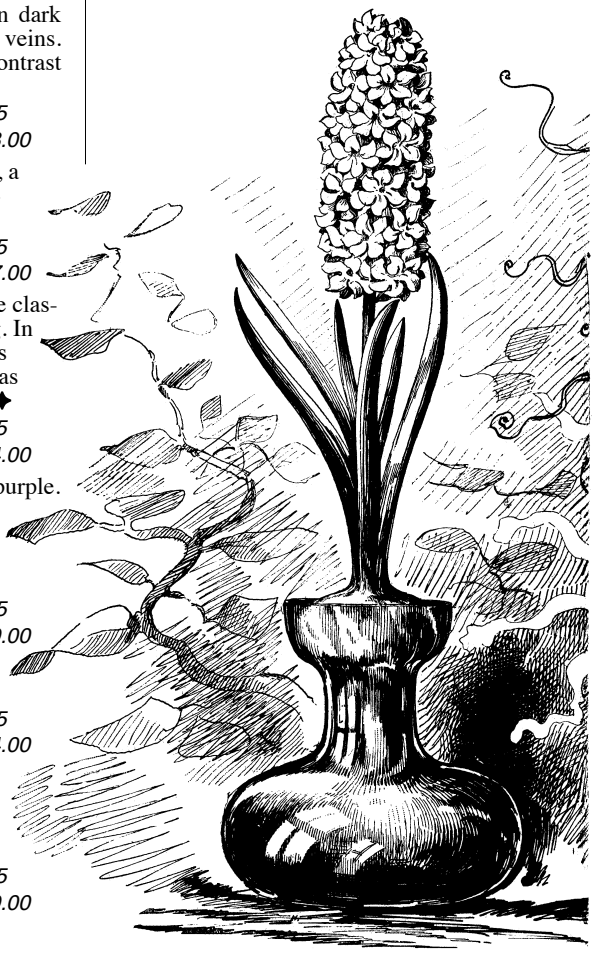
4881: 6 for $6.80 *4882: 12 for $11.50*
4883: 24 for $22.00 *4884: 96 for $71.00*

Pastel Hyacinth mix - A mix of soft colors to ease the soul. If you get too close, however, the aromas may put you in an altered state. Dreamy. 15-16cm.

4891: 6 for $6.80 *4892: 12 for $11.50*
4893: 24 for $22.00 *4894: 96 for $70.00*

Hyacinth Glass - The classic shape displays the bulb securely, with plenty of room for roots. Add interest with small stones or beach glass in the base. Clear, antiqued wavy heavy glass, with dimples around the "waist" to ensure good drainage around the bulb. 5 3/4" tall, 3 1/2" diameter.

4811: 1 for $4.50
4812: 3 for $11.75
4813: 6 for $22.00
4814: 12 for $40.00



Iris is the name of the Greek goddess of the Rainbow, and of this large genus of beautiful flowers in a range of sizes and and a rainbow of colors. Growing from bulbs or fleshy rhizomatous roots, irises are superb for cutting and borders. For all iris, "standards" are the three smaller erect petals; "falls" are the three larger pendant, reflexed or spreading petals. The "crest," "blotch" or "signal" is the blaze of contrasting color on the fall.

Most irises prefer sun or dappled shade with moderately fertile well-drained soil. All bulbous irises prefer dry soils when dormant in summer.

See p. 8 for bearded iris and p. 18 for Japanese and Siberian irises.

Dwarf Iris

Smaller delights, blooming in very early spring. Plant 1" apart for maximum color splash. 3-6", Z4-9. 5cm/up, except where noted.

I. danfordiae - Fragrant, brilliant lemon-yellow flowers. Falls display an orange crest with small olive spots; tiny bristly standards and erect narrow leaves. Often the first iris to bloom. Native to Turkey; prefers hot summers. 3-6", VE.

5011: 10 for $4.25 5012: 20 for $7.25
5013: 50 for $16.00 5014: 100 for $30.00

I. histroides 'Katharine Hodgkin' - Light blue standards with royal blue to purple striping. Pale lavender-streaked falls are highlighted by a yellow crest splashed with deep purple spots. Really beautiful flowers. 3" across. 4-6" tall, ES.

5021: 10 for $5.00 5022: 20 for $8.50
5023: 50 for $19.00 5024: 100 for $36.00

Iris reticulata - Bursts of color in early spring for the lawn, border or rock garden. Robust and hardy, spreads easily once established. Also good for forcing. Short leaves at flowering, later grow to 10-12". 4-6", VE-ES.

'Dark Blue' - Rich purple-blue nearly horizontal standards and darker falls contrast smartly against a yellow and white crest. Hardy dwarf tolerates late snows and hard frosts with no loss of color.

5031: 10 for $2.75 5032: 20 for $4.60
5033: 50 for $10.50 5034: 100 for $18.00

'Harmony' - Velvety royal purple-blue falls with a yellow crest, and lavender-blue standards. Fragrant and long-lasting. 6cm/up.

5041: 10 for $3.25 5042: 20 for $5.50
5043: 50 for $12.50 5044: 100 for $20.00

'J.S. Dijt' - Reddish-purple diminutive beauty highlighted by a gold signal with white borders on unfurling falls. 6cm/up.

5051: 10 for $3.60 5052: 20 for $6.00
5053: 50 for $13.75 5054: 100 for $24.00

Dwarf Iris Mix - An early spring mix of miniature standouts. Four or more types; includes *I. danfordiae* and *I. reticulata*. ✦¢✦

5061: 20 for $5.25 5062: 40 for $8.70
5063: 100 for $20.00 5064: 200 for $36.00

Dutch Iris mix - *Iris* x *hollandica* - Among the best cutflowers, with elegant airy blooms on stiff stems; cut when buds are plump. Also lovely clumped in the border. White, yellow, blue, ivory, mauve, violet and more. A complex hybrid of *I. xiphium*, *I. tingitana*, and *I. latifolia*. 7-8cm. Z5-8, 16-24", LS-ESu.

5071: 20 for $6.50 5072: 40 for $10.75
5073: 100 for $25.75 5074: 200 for $44.00

more Iris, next page.

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Rhizomatous Iris

Japanese Iris - *I. ensata* syn. *I kaempferi*

The largest blooms among the iris, usually 5" across, with huge horizontal beardless falls and small standards, 3-4 flowers per stem. Arching narrow leaves form graceful clumps attractive around ponds or streams. Plant 6-8" apart in slightly acid soil, in full sun or partial shade, with rootstock just below soil level. Prefers moisture during active growth and flowering. Often takes 2 years to establish, then is best left undisturbed for a long time. Can be planted in large pots for convenient display during bloom time. Native to Japan and northern China. Z4-9, Su. 2-fan.

'Picotee Wonder' - Substantial white falls with a broad violet-blue edge. Short standards, white with slender purple-blue edge, bring me to a standstill every time I see them. I ask, "How can this fine line of color so perfectly outline such a ruffled edge?" 30-32".

5081: 1 for $4.25 *5082: 3 for $11.00*
5083: 6 for $19.50

'Pink Lady' - Soft velvety pink, with darker rose-pink veins, slightly paler at the edge. 32-35".

5091: 1 for $4.25 *5092: 3 for $11.00*
5093: 6 for $19.50

Japanese Iris mix - Sublime blooms in blue, lavender, violet, and white. 24-36".

5101: 3 for $11.50 *5102: 6 for $21.00*
5103: 12 for $39.00 *5104: 24 for $75.00*

Siberian Iris - *I. siberica* - Wonderfully hardy beardless flowers on slim yet sturdy stems, up to 5 per stem, float above the foliage. Good for cutting. Tall slender foliage in clumps looks great all summer grouped in borders or naturalized in colonies. Low maintenance, easy to grow; tolerates poor dry soil, but performs best in rich moist acid soil. Plant 12-15" apart in full sun or partial shade, with rootstock just below soil level. Give them room to spread; divide tight clumps and clumps with open centers every few years. Z3-9, SU. 2-3 fan.

'Butter and Sugar' - Creamy white standards with Jersey butter-yellow falls. Their 2' stems make especially good cutting, and their use in tall arrangements is just delicious. When renowned Maine iris breeder Dr. Currier McEwen introduced 'Butter and Sugar' in 1970, it was the world's first yellow Siberian iris, and still the yellow standard. 26-28".

5111: 1 for $3.75 *5112: 3 for $9.00*
5113: 6 for $17.50 *5114: 24 for $63.00*

'Caesar's Brother' - Beautiful velvety deep rich cobalt blue. An old favorite, ever-popular for its incredible vigor and color. 36-42". ✦¢✦

5121: 1 for $3.50 *5122: 3 for $8.50*
5123: 6 for $15.00 *5124: 24 for $59.00*

Siberian Iris Mix - A mix of five varieties, in blue, lavender, purple and white. 24-40".

5131: 3 for $8.75 *5132: 6 for $17.00*
5133: 12 for $32.00 *5134: 24 for $58.00*

Lilies - *Lilium* - Queens of the Perennial Border, excellent as bedding plants or cutflowers, lilies are wonderful either as individual specimens or in solid masses. These true lilies bear their large six-pointed flowers on erect unbranched stems. They do well in light shade, which will prolong summer blooms, or in full sun if mulched to keep the bulbs cool. Since lily bulbs are not completely dormant when shipped, do not let them dry out before planting. Plant bulbs 6-8" deep, 6" apart in rich, well-drained slightly acid soil with good humus content. Z3-8. 16-18cm.

'Black Jack' - Asiatic hybrid. Unforgettable glistening vermilion-ruby-red up-facing blooms. The deeper red center has myriad dark red spots that disguise the stamens and anthers. Relatively flat-faced 5-6" (and sometimes larger) flower with slight recurved petal edges. 36-48", ESu.

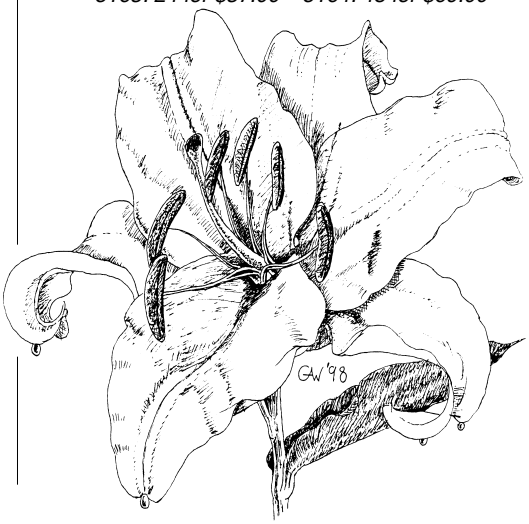
5141: 1 for $3.75 *5142: 3 for $9.40*
5143: 6 for $17.00 *5144: 12 for $30.00*

'Lollypop' - Asiatic hybrid. Starry bright-pink petals dusted with tiny reddish-brown spots, and a creamy white throat. Outward-facing 3-6" blooms; more floriferous than many Asiatic types. 18-32", E-MSu.

5151: 1 for $3.75 *5152: 3 for $9.40*
5153: 6 for $17.00 *5154: 12 for $30.00*

Asiatic Lily Mix - A passel of delightful colors brightens up the early to mid summer garden with this mix of yellows, reds, burnished oranges, whites and pinks. Solids or contrasting blushed petals and slightly recurving tips. As with most Asiatics, relatively up-facing flowers and smooth or lightly ribbed texture. 30-39", 12-14cm. Landscape size. ✦¢✦ **NEW!**

5161: 6 for $11.50 *5162: 12 for $20.00*
5163: 24 for $37.00 *5164: 48 for $69.00*



'Casa Blanca' - Oriental hybrid. Pure white with textured white specks and bobbing russet anthers. Petals broad in the center and recurved at the pointed tip. Their alluring fragrance fills the garden. 36-48", M-LSu. **NEW!**

5171: 1 for $3.90 *5172: 3 for $11.25*
5173: 6 for $19.25 *5174: 12 for $33.00*

'Stargazer' - Oriental hybrid. Large 6-7" fragrant star-shaped flowers have deep rose-red slightly recurved petals with narrow white edge and a profusion of darker red spots. A familiar and choice specimen at late summer farmers' markets in Maine. 36-48", M-LSu.

5181: 1 for $3.90 *5182: 3 for $11.25*
5183: 6 for $19.25 *5184: 12 for $32.00*

Oriental Lily Mix - The five or more varieties in this mix of 34-38" Oriental hybrids will draw a crowd to your garden in August. Delight your guests with all-pinks, all-whites, bicolors with lighter borders, even some with spots! Great as cutflowers, or let them stand in display beds. 16-18cm bulbs.

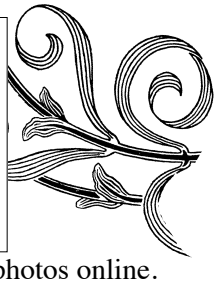
5191: 3 for $11.00
5192: 6 for $18.50
5193: 12 for $35.00
5194: 24 for $60.00

Lilium pumilum - **Scarlet Turk's-Cap Lily** or **Coral Lily** - From a central stalk, sends out 5–30 pendent orange 3" Turk's Cap–type blooms on 3" flower stems. Flowers are lightly scented and tightly recurved. Remove seed pods to lengthen plant life. Also called **Siberian Lily**, though also native to Mongolia. Plant in well-drained soil, but don't let it dry out completely. Z3-9, 18-24", MSu. 10cm/up.

5201: 1 for $4.90 *5202: 3 for $12.25*
5203: 6 for $22.00
5204: 12 for $37.00

Use daylilies, irises, lilies, or other later-emerging plants to help mask yellowed bulb leaves.

For other planting tips, info on sold-out varieties, or to order online, please visit our website at **fedcoseeds.com/bulbs.htm**



Lily Leaf Beetle

Also known as Scarlet Lily Beetle, *Lilioceris lilii*, this pest eats only Liliaceae. Infestations have increased explosively in Maine in the past few years. We've heard of several techniques that may be worth your time: visit fedcoseeds.com/bulbs/lily/htm

Martagon Lilies - *Lilium* x *martagon*

The species is *the* Turk's Cap Lily—martagon comes from a Turkish word meaning 'turban.' The Martagon hybrids, also called **Dragon Lilies**, feature recurved petals, often with marked spotting from the throat to the tips. The 3" pendent flowers, on 5" relaxed S-shaped pedicels branching from the central stalk, hang as if suspended in the air.

Loves filtered sunlight, or light to dappled shade, and brings welcome color to shady spots. Tolerates full sun only a few hours a day.

Plant martagons 12-18" apart in well-drained, even gravelly, soil. Add compost or leaf mold, but peat no. Make the hole deep enough that the top of the bulb is about 4" below the soil. If you've got pines or other signs of acid soil, a little sidedressing of compost and lime after planting and each fall is beneficial.

Martagons don't like to be disturbed, and may appear to perform poorly or not at all the first season after transplanting, only to be fine in year two. After planting, mark the spot, mulch, then do not disturb. Refrain from poking around to check growth during year one, lest you set it back again. Established plants may put out up to 50 flowers. Z4-9, 14-16cm.

'Claude Shride' - Hybridized in the 1970s from *L. martagon*. These 2½-3" reddish-maroon pendent flowers bear striking golden-orange 1½" anthers on rose filaments that extend well beyond the flower's face. Petals recurve with an arch although not back into a tight pincushion shape. 28-30", E-MSu. **NEW!**

5211: 1 for $6.00 *5212: 3 for $15.00*
5213: 6 for $27.50 *5214: 12 for $47.00*

'Fairy Morning' - Deep rose spots on a yellow ground which becomes a bit more rosy near the petal tips. Petal backs a wash of rosy-pink. Golden anthers on light green filaments. Arching moderately recurved petals on 3" flowers. 30-32", MSu. ✦✿✦ **NEW!**

5221: 1 for $5.75 *5222: 3 for $14.50*
5223: 6 for $27.00 *5224: 12 for $46.00*

'Sunny Morning' - Burgundy to maroon freckles on a banana-yellow ground, these pendent 3" flowers have mildly recurved petals. Pale yellow on petal backs. No two flowers quite the same. Bring a stem into the breakfast nook to brighten up your morning. 30-32", E-MSu. **NEW!**

5231: 1 for $6.00 *5232: 3 for $15.00*
5233: 6 for $27.50 *5234: 12 for $47.00*

Ordering Information

The final order date for early shipment items (pp. 8-11) is Aug. 21, 2015.

The discount deadline is also Friday, August 21. Please mail your order early enough for us to receive it by the deadline, or get online at fedcoseeds.com before Friday at 4pm.

To encourage group and co-op orders, we offer the following **volume discounts** on orders **we receive** by the **Aug. 21** deadline:

5% on orders $100 and up
10% on orders $300 and up
12% on orders $600 and up
15% on orders $1000 and up

Discounts are calculated from the order Subtotal (not including shipping).

Orders received after Aug. 21 do not earn volume discounts and should expect some items to have sold out; check online for up-to-date info.

Friday, Sept. 4, is the final order date.

We process and ship orders in the sequence we receive them. If you want your bulbs early, please order early.

Minimum order: $10 (not including shipping).

Web orders: Order at **fedcoseeds.com**.

Mail orders: Please use pen to help us process your order accurately. **Send** your order form, with payment to: **Fedco Bulbs, PO Box 520, Waterville, ME 04903**. Keep a copy. If you wish us to confirm receipt of your order, enclose a stamped self-addressed postcard. If you need another copy of the order form, download the pdf from our website, or phone us at (207) 426-9900.

We do not take phone or fax orders.

Payment: We accept Visa, MasterCard, AmEx and Discover; by mail, checks and money orders as well.

Group orders: Only one shipping charge (if any), and the group's Subtotal determines the discount (if any). As with all Fedco orders, a second order over $50 from the same group earns the same discount level as the first. See our website for info on organizing an online group order.

By mail, collect and send to us at one time with one payment all the order forms from all your group members (keep copies for your use). Use a copy of the order form as a cover sheet for group address and payment.

We make one shipment (or two, if you've got "E" items pp. 8-11) to one address with members' orders individually packed and labeled. Group pickup orders are to be picked up all at once.

Questions? Problems?

Call us at 207-426-9900 or send an email to **questions@fedcoseeds.com**.

Shipping Information

Shipping to the continental US: we ship via UPS Ground or USPS Priority Mail, our choice. **Minimum shipping charge**: $6. Orders over $60 pay 10% of Adjusted Total (after discounts, if any).

Orders going to **Alaska, Hawaii** and **APO/FPO** go Priority Mail; provide a **mailing** address and pay 20% of Adjusted Total ($12 minimum).

going to:	Adj. total:	shipping charge:
continental US	up to $60 over $60	$6 10% of Adjusted Total
AK, HI, APO/FPO	up to $60 over $60	$12 20% of Adjusted Total

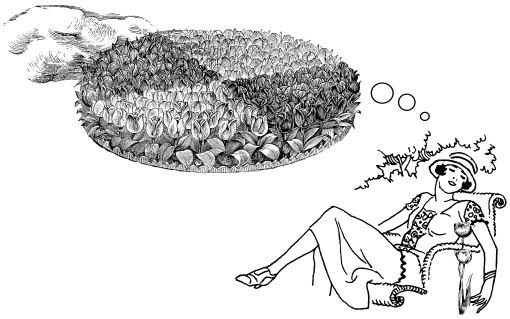
Sorry, no shipments to Canada.

Shipping of early items (pp 8-11 only) begins early September.

Shipping of regular items begins around Sept. 29 and ends Oct. 13. No rush orders or expedited shipping. If you have not received your order by October 23, please contact us.

Pickup Information

Pick up your order, shop for surplus bulbs, or browse our selections of perennials and woody plants at our **Fall Bulb and Plant Sale** on **Saturday, Oct. 17**, from 9am-3pm. We'll send a postcard with directions and your order number in late September. Pickups pay no shipping charges.



We guarantee the quality of our bulbs, and warrant that all items we offer are fully satisfactory. If you are dissatisfied for any reason, we will replace the item or refund the purchase price.

Please inspect and check over your order upon receipt and use the enclosed form to notify us immediately of any problems. If you notice problems next spring, let us know immediately. Because good results depend upon weather, soil and cultural practices over which we have no control, we limit our liability in all instances to the purchase price. The liability of Fedco Seeds, Inc., for breach of warranty, or any loss or damages arising out of the purchase or use of our products, including loss or damages resulting from any negligence whatsoever on our part, or strict liability in tort, shall be limited to the purchase price. By acceptance of the merchandise, the buyer acknowledges that the limitations and disclaimers herein described are conditions of sale, and that they constitute the entire agreement between the parties regarding any warranty or liability.

Claims for any product defects should be presented to Fedco as soon as possible after discovery. Failure to assert claims within 30 days after discovery renders this warranty null and void.

Order form missing? Download another from fedcoseeds.com/bulbs/requests.htm

Fedco Bulbs 2015

PO Box 520 Waterville ME 04903
www.fedcoseeds.com

(from mailing label) CC - _____

Farm or Group Name _____

Name _____

Deliver this order to: (We ship by Priority Mail or UPS ground, our choice based on weight.)

US Mail: _____
Town _____ St _____ Zip _____

UPS (include road name)**:** _____
Town _____ St _____ Zip _____

phone _____ Will you accept Substitutions? Yes ❑ No ❑

email _____

Volume Discounts if received by 8/21/15 take 5% off at $100,
10% off at $300,
12% off at $600,
15% off at $1000.
Early shipment & main order items may be combined for volume discounts.

Please choose one delivery option: ✔
UPS or Priority Mail ❑
Pickup Saturday 10/17/15 ❑
We need your address even if you are planning to pick up your order.

Subtotal from other side	
Volume Discount from **Subtotal**	–
1% Member Discount from **Subtotal**	–
Adjusted Total	=
Maine residents and pickup orders **only** Add 5.5% **Sales Tax**	+
Shipping	+
Grand Total	=

Shipping		
continental US	up to $60 over $60	$6 10% of **Adjusted Total**
AK, HI, APO/FPO	up to $60 over $60	$12 20% of **Adjusted Total**

❑ Donate all my refund to MOFGA
❑ Donate up to $5.00 ❑ Donate up to $2.00

Deadline for discounts is Friday, August 21.
Deadline to order early shipment items (E1011-E1354, pp 8-11) is August 21.
Final order deadline is Friday, Sept 4.

We accept Visa, MasterCard, AmEx, Discover — $25 minimum, please.

Exp. Date

Fedco Bulbs 2015

Use this form for both early shipment and regular items. Keep a copy for your records.

	Item #	Number of packages	Number of bulbs	Description	Price per package	Total price
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
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21						
22						
23						
24						
25						
26						
					Subtotal	

must be $10 or more

8/21/15: deadline for discounts and for ordering early shipment items.
9/04/15: final order deadline.

At **fedcoseeds.com/bulbs.htm** you can check for sold-out varieties, read additional information about flowerbulbs, or order online.

Narcissus are often seen around old homestead foundations, as they will return year after year as long as the soil is well drained and the foliage is not cut until it has completely died back. Deer will not eat narcissus, as they are toxic. Cheerful, reliable and dependable for beds, borders, cutflowers, forcing, and naturalizing.

Narcissus, or **Daffodils** as they are also called, thrive in full sun and in dappled shade. Pink, orange and red varieties hold their color longest during cool wet springs. In a dry season, water late varieties in mid spring to ensure bloom. But for a few noted exceptions, Narcissus thrive in Zones 3-8.

Narcissus descriptions end with USDA hardiness zones, approximate height at flowering time, relative bloom time, and division number (below) with color code: Petal color–Cup color. More than one letter describes color from base to rim. **W**hite, **Y**ellow, **P**ink, **O**range, **R**ed. ✦¢✦ indicates an exceptionally good deal.

Narcissus Mixes

Pink Mix - Field-grown mix of lovely pinks to last all season. Mostly Large Cups, some Doubles and Trumpets; may include 'Salomé' which opens yellow and turns soft pink with a golden rim. 12-18", ES-MS. Landscape size.

6011: 10 for $6.00 6012: 20 for $10.00
6013: 50 for $24.00 6014: 200 for $87.00

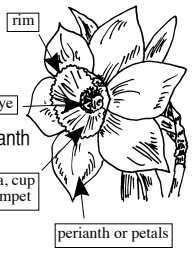
Sunshine Mix - From some bright and creative mind comes this mix with sunny two-toned cups. Large Cup narcissus of all colors are enhanced by cheery cup rims in red, orange or pink. An outstanding show of mid-season blooms. 14-18", ES-MS. Landscape size.

6021: 10 for $5.90 6022: 20 for $9.75
6023: 50 for $23.00 6024: 200 for $86.00

more Narcissus mixes, next page.

Divisions of **Narcissus** or **Daffodils**

All Narcissus are classified into one of 13 divisions. The first 12 are all daffodil cultivars, the last is botanicals. Defining features include the number of flowers per stem, the size and shape of the the flower's cup and the surrounding petals and the ratio between the two; or evidence of traits from a parent species.



division	name	flowers/stem	defining characteristics of flowers
1	Trumpet	1	corona (trumpet) as long as, or longer than, the perianth
2	Large Cup	1	corona (cup) more than 1/3 but less than the full length of the perianth
4	Double	1+	doubling of perianth or corona or both
5	Triandrus*	~2+	pendent flowers with reflexed (back-swept) perianth
6	Cyclamineus*	1	highly reflexed perianth, on a short neck (pedicel)
7	Jonquilla*	1-5	perianth spreading or reflexed, cup wider than long, fragrant
8	Tazetta*	~3-20	perianth segments spreading, not reflexed, fragrant
9	Poeticus*	1	disc-shaped white perianth, cup with a red rim and green or yellow eye; fragrant
11	Split Corona	na	includes Collar & Papillon (French for 'butterfly'); corona split more than half its length
12	Other	na	do not fit definition of any other division

*Cultivars in these classes show evidence of characteristics of parentage from that species, e.g. *N. triandrus, N. poeticus*.
Divisions not offered this year: 3, Small Cup; 10, Bulbocodium*; 13, Botanical.

Butterfly Mix - Shades of white, yellow, orange and gold, many with sunbursts of color radiating from bicolor coronas. Softly ruffled Papillon Split Coronas. 14-18", MS-LS. Landscape size.

6031: 5 for $3.60 *6032: 10 for $6.00*
6033: 25 for $13.75 *6034: 100 for $48.00*

Mixed Doubles - A round-robin mix of six or more Double narcissus varieties to ace the display, in the garden or on the tabletop, with perfect through-the-season performance. 12-18", ES-LS. Landscape size.

6041: 10 for $7.75 *6042: 20 for $13.50*
6043: 50 for $30.00 *6044: 200 for $105.00*

Fragrant Mix - A mix of sweetly scented hardy narcissus. Great for aromatic daffodil bouquets. Taller varieties that will fill your rooms with inspiring fragrance, mostly Large Cup, Tazetta and Poeticus. 14-18". Bloom times will vary. MS-LS. Landscape size.

6051: 10 for $5.40 *6052: 20 for $9.00*
6053: 50 for $21.50 *6054: 200 for $72.00*

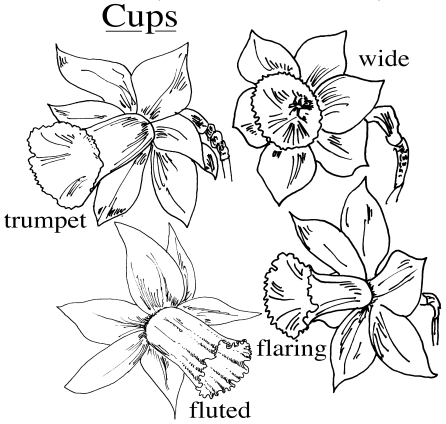
Rockgarden Mix - Small varieties for borders and rockgardens provide a season-long banquet of blooms. From the Jonquilla, Cyclamineus, Triandrus and Species classes. Z4-9, 4-16", ES-LS. Topsize by variety.

6061: 10 for $5.50 *6062: 20 for $9.20*
6063: 50 for $21.70 *6064: 200 for $73.00*

Landscape Mix - If you're looking for a large splash of springtime inspiration that will last year after year, dig into our Landscape Mix. Mostly Trumpets and Large Cups, perhaps with a few Doubles, for naturalizing and broad-swath daffodil borders. 12-18", ES-MS. Landscape size. ✦¢✦

6071: 10 for $4.75 *6072: 20 for $8.00*
6073: 50 for $18.25 *6074: 200 for $64.00*

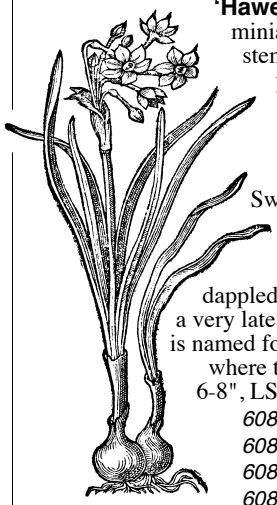
Cups



All Narcissus are Topsize bulbs **except as noted.**

- Topsize bulbs are the largest size available on the regular bulb market each season for each variety.
- Landscape size bulbs are smaller than topsize, but are not the smallest size.
- Exhibition size are developed to produce spectacular displays for spring flower exhibitions.

— Short Narcissus —



'Hawera' - Pale lemon-yellow miniature has 5-8 flowers per stem, cup slightly paler than perianth. Dainty pendent flowers have an airy delicate appearance that evokes graceful dancing fairies or butterflies. Sweetly scented, one of the smallest and most versatile narcissus. In a cool rainy year, in one dappled shade spot, they opened a very late June 20. ADS miniature is named for the New Zealand town where the breeder was a doctor. 6-8", LS. 5Y-Y.

6081: 5 for $3.60
6082: 10 for $6.00
6083: 25 for $13.75
6084: 100 for $45.00

'February Gold' - Rich golden-yellow reflexed petals surround a deeper yellow long cylindrical ribbed cup with a notched and frilled rim. This award-winning heirloom from before 1923 is often the very first narcissus to bloom, in the garden or the sod, but not in February here in Maine. At its best in cool weather, it also tolerates shade. 8-12", ES. 6Y-Y.

6091: 5 for $3.25 *6092: 10 for $5.50*
6093: 25 for $12.50 *6094: 100 for $41.00*

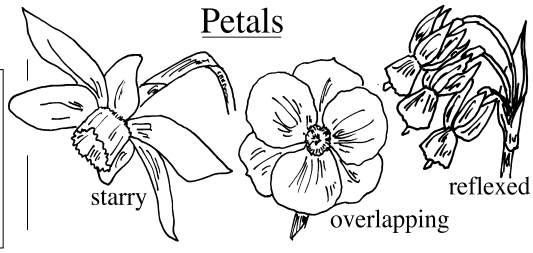
'Jetfire' - Long bright-orange ribbed cup, and reflexed golden-yellow petals. Slightly scented, good for forcing, tolerates shade and makes a nice counterpoint to the large Trumpets blooming at the same time. Susan's first-year planting was as vigorous and floriferous as an established clump, and Joanna's 18-year-old clump explodes with hundreds of flowers. This fire really lights up the garden, and merits a place in yours. 6-10", ES. 6Y-O.

6101: 5 for $3.00 *6102: 10 for $5.00*
6103: 25 for $11.50 *6104: 100 for $39.00*

'Katie Heath' - Fragrant long-lasting and multi-floral Triandrus has mildly reflexed delicate marble-white petals and wavy-edged cups that open pale yellow and turn peachy pink as they mature. 10-12", MS, 12/14cm. 5W-P. **NEW!**

6111: 5 for $4.00 *6112: 10 for $6.60*
6113: 25 for $14.75 *6114: 100 for $51.00*

Petals



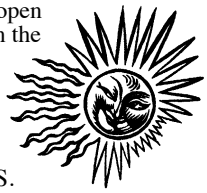
'Minnow' - Small flowers with buttercup-yellow cups; spreading petals are white to pale yellow, depending on weather and season. Usually 3-10 flowers per stem, but can be up to 20. Sweet fragrance, not nearly as strong as its tazetta cousins, the Paperwhites. Tolerates shade. ADS miniature. Z5-9, 6-8", ES-MS. 8W-Y.

6121: 5 for $2.30 *6122: 10 for $3.80*
6123: 25 for $8.25 *6124: 100 for $27.00*

'Rip van Winkle' - So many people enthused over the vase of Rip that Roberta had at the Seeds warehouse over the Tree Sale weekend. Slow sales had prompted me to put this spunky little double narcissus back to sleep, but its sprightly unkempt-but-oh-so-cute yellow and green head will wake you right up. Plant this scruffy character close to the edges so its distinctive shortness doesn't get lost among the tall ones. 19th-century writers called it a double of *N. minor*. 6-8", ES-MS. 4Y-Y. **BACK!**

6131: 5 for $3.35 *6132: 10 for $5.55*
6133: 25 for $12.50 *6134: 100 for $44.00*

'Sun Disc' - Award-winning fragrant miniature. Rounded overlapping petals open just slightly paler yellow than the cup, and slowly mature to a Jersey cream. Wide disc-shaped buttercup-yellow cup is lightly ribbed, lightly frilled. At 6-8", just right for pots or the front edge. MS-LS. 7Y-Y. **NEW!**

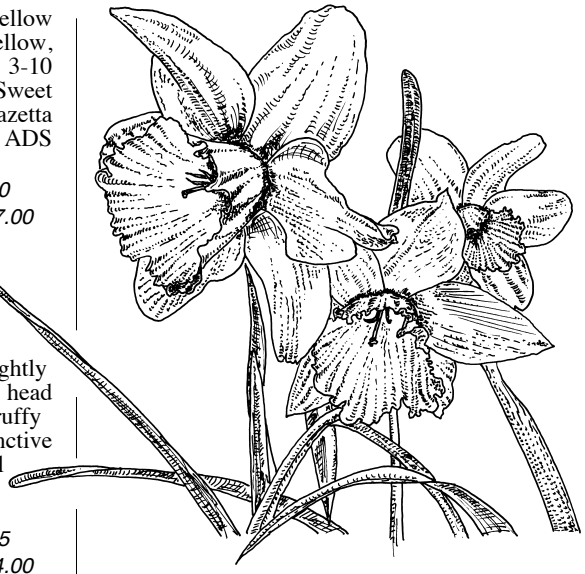


6141: 5 for $2.90 *6142: 10 for $4.75*
6143: 25 for $11.00 *6144: 100 for $37.00*

'Tête-à-Tête' - Buttercup-yellow petals, slightly reflexed, with a deeper orange-yellow cup. Generally 2-3 flowers per stem. Very popular, vigorous, and easy to grow; good for forcing and naturalizing. The name is said to be a pun; a breeder named Tait provided the two varieties from which this was bred. ADS miniature registered in 1949. 6-8", ES-MS. 12Y-Y. ✦¢✦

6151: 5 for $2.70 *6152: 10 for $4.55*
6153: 25 for $10.55 *6154: 100 for $35.00*

Michael Phillips recommends using daffodils in the orchard to deter mice and voles from girdling trees. Plant bulb-to-bulb in a tight circle about a foot away from tree trunks.



— Tall Narcissus —

'Dutch Master' - The Trumpet Master has large yellow petals and a straight trumpet with a flared and notched rim. 'King Alfred', introduced in 1899, has the name, but this 1938 intro is just as prolific and slightly taller, with a longer bloom time, and more flowers per bulb. Bloomed for nearly three weeks in the cool wet spring of 2011. 18-20", ES-MS. 1Y-Y.

Exhibition size **'Dutch Master'** - The case where bigger really is better. 18cm/up giant bulbs grown in the U.S. ✦¢✦

6161: 5 for $7.75 *6162: 10 for $13.50*
6163: 25 for $29.50 *6164: 100 for $105.00*

Topsize **'Dutch Master'** 16cm/up.

6171: 5 for $4.60 *6172: 10 for $7.65*
6173: 25 for $17.25 *6174: 100 for $59.00*

Landscape size **'Dutch Master'** 14-16cm. ✦¢✦

6181: 10 for $4.75 *6182: 20 for $8.00*
6183: 50 for $18.25 *6184: 200 for $63.00*

'Holland Sensation' - Pure white petals with a giant golden-yellow flaring trumpet. Strong upward-facing blooms really stand out after most other trumpet narcissus have faded. 18-24", MS-LS. 1W-Y.

6191: 5 for $5.40 *6192: 10 for $9.00*
6193: 25 for $21.25 *6194: 100 for $73.00*

'Mt. Hood' - Opens marble white, turns to pure white in a day or two. Broadly overlapping petals and a wide-mouthed wavy-edged trumpet. From 1938, this classic Trumpet is one of the finest white daffodils. Z3-6, 15-17", MS. 1W-W.

6201: 5 for $4.75 *6202: 10 for $8.00*
6203: 25 for $18.25 *6204: 100 for $63.00*

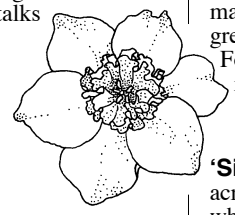
Tall Narcissus continue next page.

Tall Narcissus, continued.

'Carlton' - Yellow petals back a deeper golden-yellow cup nearly long enough to be a trumpet. The world's most planted narcissus; also multiplies rapidly. Vanilla fragrance. 18-20", ES-MS. 2Y-Y.

6211: 5 for $3.85 *6212: 10 for $6.45*
6213: 25 for $14.50 *6214: 100 for $49.00*

'Cool Flame' - Ruffled sun-fast coral-pink wide-flaring cup set off smartly against brilliant cool-white petals. Long flower stalks hold the flowers well above the foliage. Reliable, long-lived perennial, and fabulous for the vase. 16-18", MS. 2W-P.



6221: 5 for $5.40
6222: 10 for $9.00
6223: 25 for $21.25
6224: 100 for $75.00

'Fortissimo' - Huge golden-yellow overlapping petals with a giant-sized lightly frilled cup which opens apricot and turns deep burnished orange. Truly enormous flowers, and vigorous too, providing armloads for your vase and wows from your friends. 18-20", ES-MS. 2Y-O. ✦¢✦

6231: 5 for $6.00 *6232: 10 for $10.00*
6233: 25 for $24.00 *6234: 100 for $85.00*

'Ice Follies' - Very wide cup opens light greenish-yellow, soon becomes creamy white, heavily ribbed with a frilled and notched rim. Pure white perianth. The second-most popular narcissus worldwide. Good for forcing and naturalizing. 16-18", ES-MS. 2W-W.

6241: 5 for $4.75 *6242: 10 for $8.00*
6243: 25 for $18.25 *6244: 100 for $63.00*

Landscape size '**Ice Follies**' for naturalizing. 14-16cm.

6251: 10 for $7.85 *6252: 20 for $13.60*
6253: 50 for $30.50 *6254: 200 for $108.00*

'Pink Pride' - White perianth with a white-throated cup bearing a ruffled soft peach-pink rim. On the tall side. 22-28", MS, 2W-WPP. **BACK!**

6261: 5 for $4.25 *6262: 10 for $7.10*
6263: 25 for $16.25 *6264: 100 for $58.00*

'Obdam' - One of the finest of the doubles and Diana's favorite, named for a town in the province of Noord-Holland. Fragrant, showy 3-4" flowers open creamy with yellow highlights maturing to pure white with the slightest veins of green outside at the base. This sport of 'Ice Follies' is like having gardenia or rose blooms in early May. 16-18", MS-LS. 4W-W.

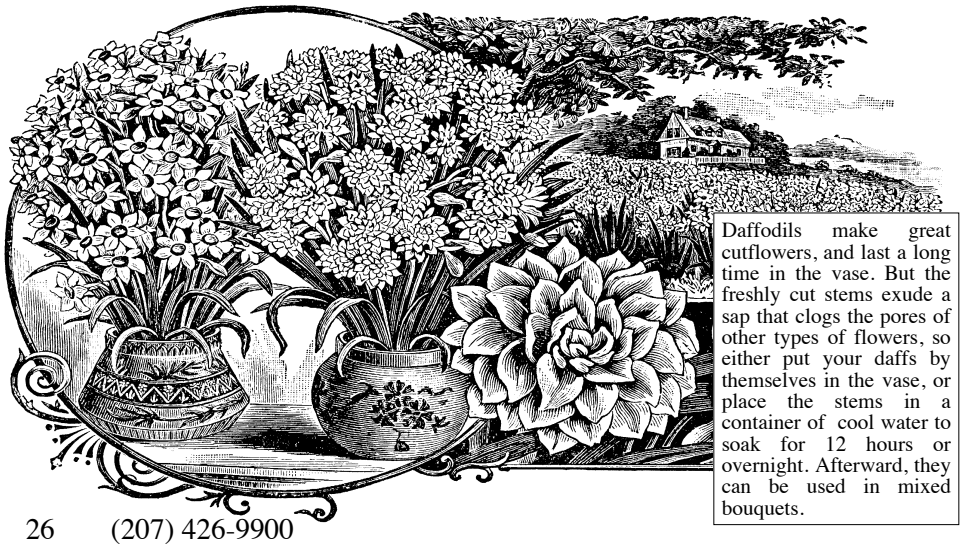
6271: 5 for $6.25 *6272: 10 for $10.50*
6273: 25 for $25.00 *6274: 100 for $88.00*

'Sir Winston Churchill' - Double flowers 3" across are full of creamy white petals interspersed with orange flecks. Fragrant blossoms come 3-5 per stem. A sport of 'Geranium' and a sturdy robust blast-resistant grower. Long-lasting in garden or vase. 14-16", MS. 4W-O. ✦¢✦

6281: 5 for $4.10
6282: 10 for $6.85
6283: 25 for $15.60
6284: 100 for $55.00

'Tahiti' - Rich golden-yellow doubled perianth layered with lush bright gold and red-orange segments. Large long-lasting blooms with standout color and fragrance come as close to tropical exuberance as you'll find in a New England spring. Bred in Ireland, 'Tahiti' is a classic worldwide. 14-18", MS-LS. 4Y-O.

6291: 5 for $5.00 *6292: 10 for $8.50*
6293: 25 for $19.00 *6294: 100 for $69.00*



Daffodils make great cutflowers, and last a long time in the vase. But the freshly cut stems exude a sap that clogs the pores of other types of flowers, so either put your daffs by themselves in the vase, or place the stems in a container of cool water to soak for 12 hours or overnight. Afterward, they can be used in mixed bouquets.

Are they Daffodils, Jonquils, or Narcissi?

A friend said he had been confused by the different terms he'd heard.

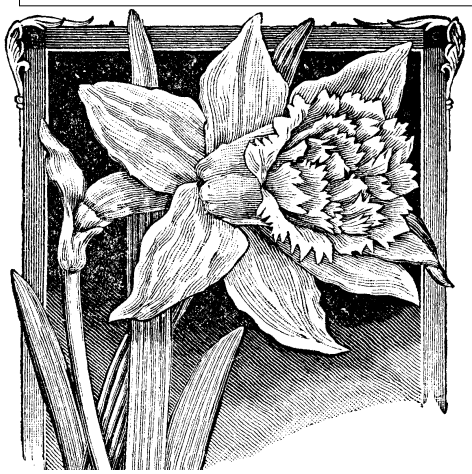
These flowers are in the genus Narcissus, so calling them that is perfectly fine, just as we say Crocus, Phlox, Cleome or Echinacea.

Narcissus, Narcissuses and Narcissi are all acceptable as plurals.

Daffodil was first used in Wales and England to refer to certain wild forms. It is now used to refer either specifically to the Division I Trumpets, or more generally to any type of Narcissus.

Jonquil is also used for any type of Narcissus, especially in the South where jonquils thrive, or it is used to refer specifically to Division 7 Jonquilla cultivars.

So really, any of these terms is fine to use.



'Van Sion' - Also known as Double Van Sion, with an official name of *Narcissus telamonius plenus*. First described in 1629 by John Parkinson in *Paradisus Terrestris*. Narrow yellow petals with catchy green streaks along the exterior and base, soon overshadowed by the profusion of the cup. Frilly bright golden-yellow highly doubled cup; varies from flower to flower and season to season. Fragrant flowers 3" across will tend to naturalize once established in a happy location. Perhaps hardy to Zone 2. 14-16", MS. 4Y-Y. **Eco-grown, Maine Grown.**

6301: 5 for $6.50 *6302: 10 for $10.75*
6303: 25 for $25.75

'Yellow Cheerfulness' - Soft yellow gardenia-like double blooms, 2½" across, with subtle flecks of soft orange and a sublime scent. 2-4 per stem. Sport of 'Cheerfulness' introduced in 1937. 14-18", LS. 4Y-Y.

6311: 5 for $3.60 *6312: 10 for $6.00*
6313: 25 for $13.75 *6314: 100 for $49.00*

'Thalia' - Milky white throughout the delicate narrow reflexed petals and outward-facing ribbed cup with a wavy rim. Fragrant flowers and slender foliage. A favorite of many gardeners since its introduction in 1916, and one of the few white narcissus to open with no yellow tones. The "Orchid Narcissus" is less pendent than other Triandrus. The Greek muse of idyllic poetry, Thalia means "flourishing." Excellent for forcing. 12-16", MS-LS. 5W-W.

6321: 5 for $3.50 *6322: 10 for $5.75*
6323: 25 for $13.40 *6324: 100 for $46.00*

'Sweet Love' - Lovely American-bred Jonquilla with white petals and a soft yellow ribbed cup, deeper yellow in the eye, and an ivory-white wavy, split and overlapping rim. Sweet-smelling outward-facing flowers, 3-5 per stem. Narrow grass-like foliage. 12-16", MS. 7W-YYW.

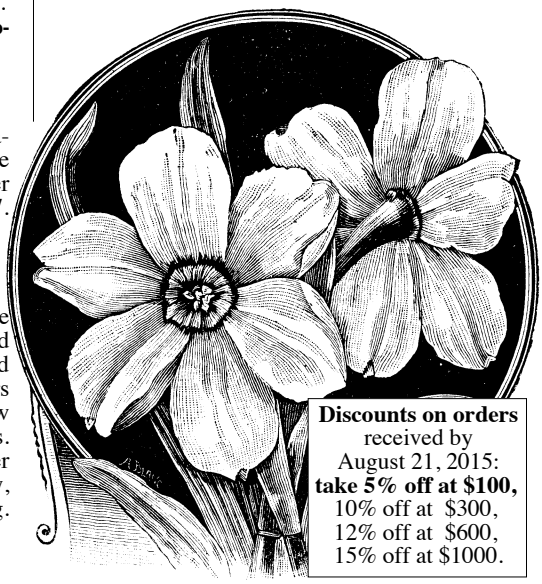
6331: 5 for $3.60 *6332: 10 for $5.90*
6333: 25 for $13.60 *6334: 100 for $47.00*

'Geranium' - Bright white overlapping petals with a smallish shallow vivid red-orange cup. Bred in 1930, this hardy outdoor Tazetta forms heavy clusters of 3-6 outward-facing flowers. Prolific grower with sweet fragrance, excellent in garden or vase. Z3-9, 12-14", MS-LS. 8W-O.

6341: 5 for $3.75 *6342: 10 for $6.35*
6343: 25 for $14.25 *6344: 100 for $51.00*

'Actaea' - Vigorous heirloom Poeticus variety from before 1919. Rounded glistening white petals surround a small shallow red-rimmed yellow cup. Large flowers with sweet fragrance. Performs much better in cool climates than warm and tolerates damp places other narcissus can't. *N. poeticus* was described by Theophrastus and Virgil, and is the source of the narcissus oil used in perfumery. 16-18", MS-LS. 9W-YYR.

6351: 5 for $5.75 *6352: 10 for $9.65*
6353: 25 for $22.50 *6354: 100 for $83.00*



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Miscellaneous Bulbs

is the name the Royal General Bulbgrowers Association in Holland (KAVB) gives to this large group of flowers. The expensive catalogs call them specialty or accent bulbs; some call them minor or dwarf bulbs (even though some of the Alliums and Fritillarias are huge!); Louise Beebe Wilder covers most of them in her 1936 classic *Adventures with Hardy Bulbs*. Whatever you call them, most are uncommonly sweet, delicate, colorful, and completely welcome in the spring.

Allium - Flowering Onion

Large genus characterized by small florets held in large or small, loose or tight umbels. Sweet-smelling blooms make great fresh cutflowers or dried winter arrangements whether you cut them before or after the green seed pods begin to form. Likes full sun and well-drained soil. Most repel pests, and only when crushed do they smell like onion.

Low-growing Alliums 6-16", LS-ESu.

A. caeruleum - **Blue of the Heavens** - Syn. *A. azureum*. Gorgeous flax-blue florets form 1½" dense umbel. Hardy variety from Siberia gradually forms large clumps. Feed in early spring to promote leaf growth; leaves die back in spring before flowering begins. Z3-8, 12-16". 5cm/up.

7011: 10 for $3.90
7012: 20 for $6.55
7013: 50 for $14.75
7014: 200 for $51.00

A. moly - **Lily Leek** or **Golden Garlic** - Formerly *A. luteum*. Bright yellow 2-3" umbel naturalizes easily in sunny borders, rock gardens, light woods and under shrubs. Produces many bulblets which mature quickly. Grows wild in southern Europe where it was used for centuries as a talisman. Z3-8, 6-8". 5cm/up.

7021: 10 for $2.90 *7022: 20 for $4.75*
7023: 50 for $11.20 *7024: 200 for $38.00*

A. oreophilum - **Pink Lily Leek** or **Mountain Onion** - Formerly *A. ostrowskianum*. Bright fuchsia-rose florets with darker midribs are held in a 2" umbel. The florets, larger than those of most allia, are lightly fragrant. One of the finest dwarfs. Z3-8, 8-10". 5cm/up. ✦¢✦

7031: 10 for $3.00 *7032: 20 for $5.00*
7033: 50 for $11.50 *7034: 200 for $39.00*

Small Allium Mix - Our own fragrant mix of three of the smaller alliums, in yellow *(A. moly)*, rose *(A. oreophilum)*, and white *(A. neapolitanum)*. If fed and happy, will spread over time. Z3-8, 6-16". 4cm/up.

7041: 10 for $2.75 *7042: 20 for $4.65*
7043: 50 for $10.60 *7044: 200 for $38.00*

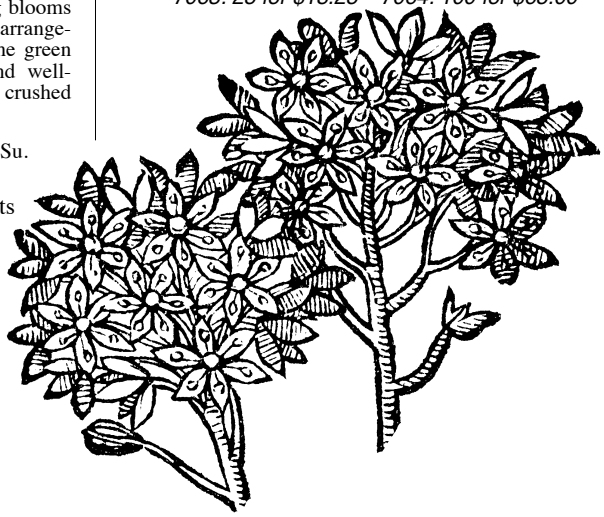
Medium-height Alliums 14-36", LS-ESu.

A. christophii - **Star of Persia** - Formerly *A. albopilosum*. The largest flower of the genus, though not as dense as others, giving it a light airy appearance. 8-12" spheres of silvery pink-violet starry florets stand out in the garden; also excellent for cutting. Z4-8, 18-24". 12-14cm.

7051: 3 for $2.75 *7052: 6 for $4.60*
7053: 12 for $8.20 *7054: 48 for $27.00*

A. 'Graceful' - White mid-height allium hardy enough to thrive in a Zone 4 climate. 2" balls laden with six-pointed florets and gossamer-thin pink anthers and stamens give 'Graceful' a delicate pink aura en masse. Z4-9, 14-18". 6cm/up.

7061: 5 for $4.75 *7062: 10 for $8.00*
7063: 25 for $18.25 *7064: 100 for $65.00*



A. x hollandicum 'Purple Sensation' - Formerly *A. aflatunense*. Dense 3-4" ball of deep violet-purple florets. Wonderful as a cutflower, or lined along a walkway, or grouped in a border. Z4-8, 24-36". 12cm/up.

7071: 10 for $7.00 *7072: 20 for $11.50*
7073: 50 for $27.00 *7074: 200 for $95.00*

A. siculum - **Mediterranean Bells** or **Sicilian Honey Garlic** - This rugged beauty bears up to 30 delicate pendulous bell-shaped 1/2-1" flowers on 2" weeping umbels from the top of slightly arching stems. The cream-colored florets are tinged purplish-rose, and make an excellent companion to very early daylilies or Siberian irises. Sharply keeled 12-16" blue-grey twisting basal leaves smell of garlic only when crushed. Plant in sun to semi-shade. Formerly *Nectaroscordum siculum*, native to Sicily, southern France and Italy. With protection, Z5-9. 24-36". 8-10cm.

7081: 5 for $2.00 *7082: 10 for $3.25*
7083: 25 for $8.00 *7084: 100 for $25.00*

A. sphaerocephalon - **Drumsticks** - Dense ovoid 1-2" heads have a haunting color that's hard to describe: burgundy, dark reddish maroon, or maybe violet-red. Blooms have lasted nearly a month in a cool moist spring. Wonderful with daylilies. Native to North America. Z3-8, 20-30", MS. 5cm/up. ✦¢✦

7091: 10 for $2.50 *7092: 20 for $4.25*
7093: 50 for $9.75 *7094: 200 for $31.00*

Wild About Alliums Mix - A half dozen or more kinds of medium to medium-tall alliums in colors of violet, purple, blue and white; 2-4" sweet-scented umbels in early summer, 16-33". Topsize bulbs.

7101: 10 for $5.25 *7102: 20 for $8.75*
7103: 50 for $20.00 *7104: 200 for $71.00*

View color photos online.

Tall Alliums 30-48", LS-ESu.

A. giganteum - Densely packed 5-6" head of violet-purple florets opens at the top of a 3 1/2-4' sturdy flower stalk. The tallest allium, it needs shelter from strong winds. A spectacular cutflower; cut them short for a tabletop or long for a floor vase. 40-48". 18-20cm.

7111: 1 for $4.65 *7112: 2 for $7.80*
7113: 3 for $10.75 *7114: 12 for $35.00*

'Globemaster' - Hundreds of deep lilac florets form a dense 6-8" ball. Spectacular long-lasting sterile flower attracts raves. Makes a remarkable dried flower for winter arrangements. Hybrid of *A. christophii*. Z4-8, 30-40". 20cm/up.

7121: 1 for $7.90 *7122: 2 for $14.00*
7123: 3 for $20.25 *7124: 12 for $72.00*

'Mount Everest' - Like a giant 6" snowball on a stake. Sturdy, vigorous, and long-lasting, it's the best all-white tall allium. Really shines. A pure white form of 'Mars', itself a selection from *A. stipitatum*. Z4-8, 36-48". 18cm/up.

7131: 1 for $4.35 *7132: 2 for $7.25*
7133: 3 for $9.75 *7134: 12 for $33.00*

Anemone blanda - Grecian Windflower

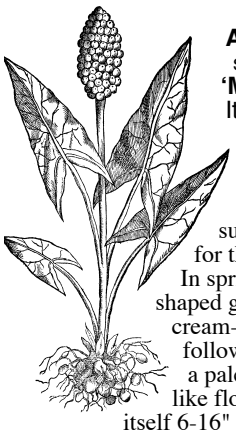
Enchanting short daisy-like flowers with 10-15 petals around yellow centers, with fern-like leaves. Does well as a ground cover in light shade and under deciduous trees. Easy to grow, forms compact clusters. To break dormancy, soak corms in warm water for 24 hours before planting 1 1/2-2" deep. Wild in southeastern Europe and Turkey, in scrub meadows and rocky crevices. Z5-9, 3-6", ES. 5cm/up.

A. blanda 'Blue Shades' - Rich mixed shades of blue and violet.

7141: 10 for $3.90 *7142: 20 for $6.50*
7143: 50 for $14.75 *7144: 200 for $51.00*

A. blanda Mix - Lovely mixed shades of blue, pink and white.

7151: 10 for $3.30 *7152: 20 for $5.40*
7153: 50 for $12.25 *7154: 200 for $42.00*



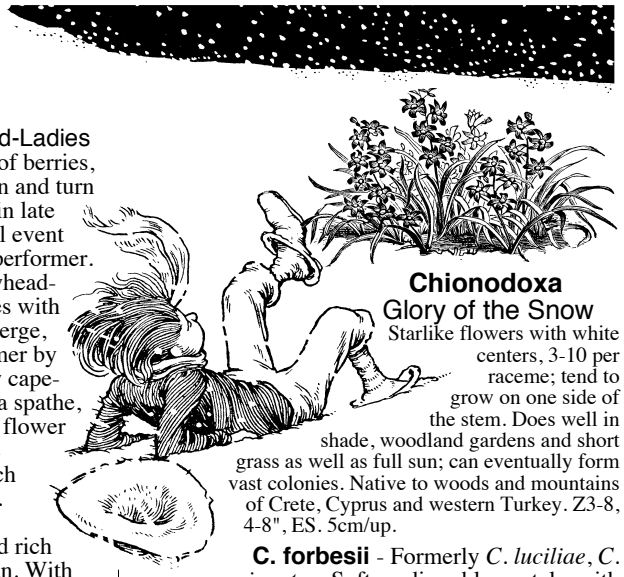
Arum italicum
subsp. italicum
'Marmoratum'
Italian Arum or
Italian Lords-and-Ladies

A showy spike of berries, which start green and turn orange then red in late summer, is the final event for this three-season performer. In spring, 10-14" arrowhead-shaped glossy green leaves with cream-colored veins emerge, followed in early summer by a pale greenish-yellow cape-like flower hood called a spathe, itself 6-16" long. The yellow flower stalk, or spadix, contains many tiny pale flowers tightly packed on the stalk, which give way to those tightly packed berries. Related to our native Jack-in-the-Pulpit. Plant rhizomes 4-6" deep in well-drained rich moist soil, in partial shade to dappled sun. With protection, Z5-9, 12-18". Topsize.

7161: 5 for $4.85 *7162: 10 for $8.25*
7163: 25 for $18.60 *7164: 100 for $67.00*

Camassia quamash - Indian Hyacinth
Formerly *C. esculenta*. Full yet loose spikes of slender-petaled starry blossoms do well around ponds, in moist areas of light woods and the garden. Medium silvery-blue flower cones on strong stalks. A staple of the Nez Perce diet. Sacajawea dug the roots to help keep the Lewis & Clark expedition alive. Likes sun to partial shade. Blooms after most spring flowers are gone but before early summer flowers peak. Z3-8, 12-16", LS-ESu. 5cm/up.

7171: 10 for $4.25
7172: 20 for $7.00
7173: 50 for $16.00
7174: 200 for $57.00



Chionodoxa
Glory of the Snow
Starlike flowers with white centers, 3-10 per raceme; tend to grow on one side of the stem. Does well in shade, woodland gardens and short grass as well as full sun; can eventually form vast colonies. Native to woods and mountains of Crete, Cyprus and western Turkey. Z3-8, 4-8", ES. 5cm/up.

C. forbesii - Formerly *C. luciliae*, *C. gigantea*. Soft medium blue petals, with white centers. This plus *Scilla siberica* creates a stunning blue carpet for over two weeks in spring.

7181: 10 for $2.75 *7182: 20 for $4.60*
7183: 50 for $10.50 *7184: 200 for $35.00*

C. f. 'Alba' - Long-lasting all-white flowers. A lovely complement to one of the colored varieties, or wonderful in a mini-vase.

7191: 10 for $3.20 *7192: 20 for $5.40*
7193: 50 for $11.95 *7194: 200 for $40.00*

C. f. 'Pink Giant' - Blushing pink with white centers, sometimes bright pink at the edges.

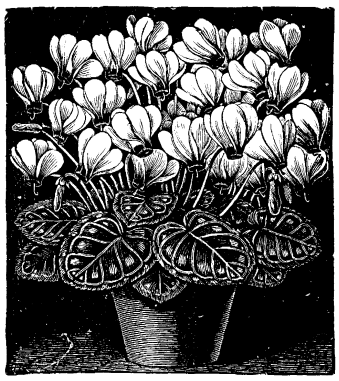
7201: 10 for $3.10 *7202: 20 for $5.20*
7203: 50 for $11.70 *7204: 200 for $39.00*

C. sardensis - Similar to *C. forbesii*, but a deeper flax blue and a smaller white eye. Slightly more diminutive but with more flowers and more color effect overall. Slightly longer and later bloom time. 3-6", ES-MS.

7211: 10 for $5.75 *7212: 20 for $9.60*
7213: 50 for $24.00 *7214: 200 for $84.00*

Cyclamen coum - Hardy Cyclamen Reflexed and twisting pink petals seem to hover just above the foliage. In early spring, 1/2" flowers bloom in varying shades of pink. Beautiful rounded to kidney-shaped to heart-shaped dark green leaves are often spackled silver. Spring-flowering coum prefers partial shade. (Not to be confused with *C. hederifolium*, also called hardy cyclamen or ivy-leaved cyclamen, which blooms in late summer.) Native to mountains along the Black Sea. Z5-9, 3-5", ES. 13-15cm.

7221: 3 for $9.85 *7222: 6 for $16.45*
7223: 12 for $29.50 *7224: 24 for $55.00*



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Eranthis cilicica - Winter Aconite
Bright buttercup-yellow flowers with frilly green collar which opens bronzy. Very similar to *E. hyemalis* but slightly earlier, leaves less deeply dissected. Good naturalized under deciduous trees and shrubs, can spread by seed. Prefers slightly alkaline, humusy moist soil in sun or dappled shade. Tolerant of frosts and late snow. Soak corms before planting. Z5-7, 2-4", VE. 4cm/up.

7231: 10 for $4.75 *7232: 20 for $8.00*
7233: 50 for $18.00 *7234: 200 for $62.00*

Erythronium 'Pagoda' - Trout Lily
Small graceful lily-like flowers, lemon yellow with brown spots. 2-10 blooms per plant. Mahogany-mottled soft green foliage. 'Pagoda' is a robust hybrid of two California species. Thrives in shady areas, in woodlands or under shrubs. May take a year or two to settle in before flowering; may spread to form colonies. Plant in rich soil high in organic matter about 3-4" apart and 4" deep. Z4-8, 6-12", MS. #1 transplants.

7241: 3 for $4.70 *7242: 6 for $7.80*
7243: 12 for $14.00 *7244: 48 for $51.00*

Fritillaria
Fritillary or Mission Bells
Unmistakable bell-like flowers in a variety of colors, often with the subtle checkered pattern that gives rise to the name of the genus (*fritillus* is a dice-box, in Latin).

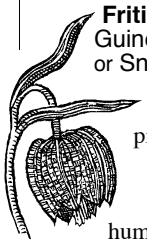
Fritillaria imperialis
Crown Imperial
Striking cluster of 3-6 inverted tea-cup-like bells, 2-3" long, hangs from a leafy crown atop a tall spike. Large basal whorl of glossy leaves. Likes full sun, requires good drainage. Plant bulb sideways to prevent crown rot. Can be very long-lived if left undisturbed. Skunky odor of bulbs repels critters. In cultivation since 1500s, native northern India to Iran. Z5-7, 26-30", MS. 20cm/up.

'Aurora Maxima' - Orange to the max in this deep reddish-orange in the 'Maxima' series. ✦¢✦

7251: 1 for $6.10 *7252: 2 for $10.70*
7253: 3 for $15.25 *7254: 12 for $49.00*

'Lutea Maxima' - Clear lemon-yellow flowers with light purple veining.

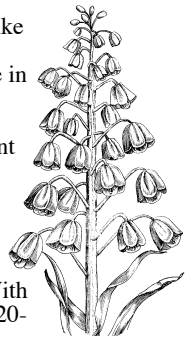
7261: 1 for $6.50 *7262: 2 for $11.25*
7263: 3 for $16.00 *7264: 12 for $53.00*



Fritillaria meleagris
Guinea-Hen Flower, Checkered Lily, or Snake's Head Fritillary
Checkered 1½" flowers are usually plum or bronze, but some are lilac-pink or white. Delicate single bells hang on slender grey-green grasslike stems. Will spread in a well-drained sheltered spot; also suitable in borders, grassy or humusy areas. Native to Europe and grows all over in meadows and along streams. Z3-8, 10-14", MS. 6cm/up. ✦¢✦

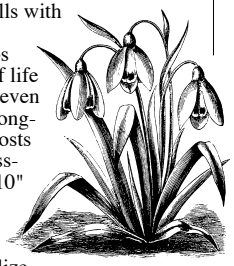
7271: 10 for $4.00 *7272: 20 for $6.60*
7273: 50 for $14.75 *7274: 200 for $52.00*

F. persica - Persian Bells or Persian Lily
Dusky plum-purple slender 2-3" bell-shaped flowers on tall spikes, looking sort of like a dark foxglove. Bright silvery-green foliage. Light sweet smell, unlike some other Fritillarias, but still unattractive to deer. Handsome in groups, but as the attractive flowers can be difficult to see against a dark background, plant them among yellow, pink or white tulips or other light-colored plants, or in front of a light-colored building. Native to southern Turkey, western Iran, Iraq, Israel and Jordan. With protection, Z5-8, 24-40", MS. 20-22cm.



7281: 1 for $6.20 *7282: 2 for $10.40*
7283: 3 for $14.50 *7284: 12 for $51.00*

Galanthus - Snowdrops or Milk Flower



Delicate frosty white 3-petaled bells with a touch of emerald green on the shorter inner segments. Snowdrops are usually one of the first signs of life emerging from the melting snow, even before crocuses. Very hardy and long-lasting, stands up to late snows, frosts and stiff spring winds. Fleshy grass-like grey-green leaves reach to 8-10" as flowers peak. Prefers partial shade and heavy soil, tolerates moist soil; a cool spot in a woodland garden is perfect. Can naturalize in border or lawn. Grows wild in open woods from the Pyrenees to the Caucasus. Z3-8, 4-8", VE. 5cm/up.

G. nivalis - Garden Snowdrop

These delicate single flowers are a well-known and delightful sign that spring is coming.

7291: 10 for $6.75 *7292: 20 for $11.40*
7293: 50 for $26.75 *7294: 200 for $98.00*

G. nivalis var. Flore Pleno - Double Snowdrop

Fully doubled 1-1 1/4" wide-spreading pendent flower bell is completely filled with petals. Sterile, increases from offsets. This charming variety really packs the petal power!

7301: 5 for $6.40 *7302: 10 for $10.60*
7303: 25 for $25.25 *7304: 100 for $88.00*

Hyacinthoides - Bluebell

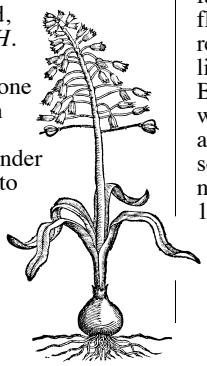
Similar to Scilla, but taller and later-blooming, with larger bell-shaped pastel flowers on graceful racemes. Self-seeds and forms new bulbs each year to replace old ones that shrivel. Gardeners occasionally experience skin irritations on contact with flowers or foliage. Bluebells tolerate shade, moisture and a wide range of soils, also do well in full sun. Native to deciduous woodlands and moist meadows in W. Europe and N. Africa.

H. hispanica Mix
Spanish Bluebell or Wood Hyacinth

Nodding clusters of lovely 3/4" bells with wide mouths and reflexed tips on all sides of sturdy stems. Pastel mix of blue, pink, and white make good cutflowers. The late-spring blooms are also excellent for hiding foliage of early bulbs. Native to Spain and Portugal. Z3-9, 8-12", LS. 8cm/up.

7311: 10 for $4.90 *7312: 20 for $7.90*
7313: 50 for $18.75 *7314: 200 for $71.00*

H. non-scripta - English Bluebell

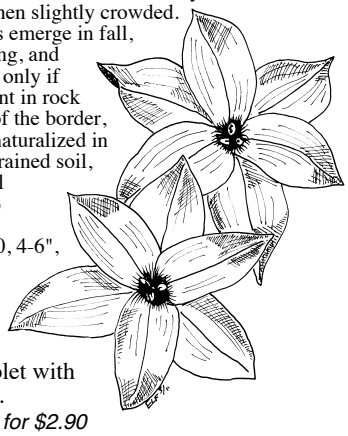


Flax-blue flowers, sweetly scented, with 1/2-3/4" petals, narrower than *H. hispanica*, with curled-back tips. Arching racemes with flowers on one side grow 4-8" above glossy green leaves. Native to W. Europe and England, where bluebells bloom under deciduous trees not yet leafed out to form beautiful "bluebell woods." Z5-8, 12-18", MS. 6cm/up.

7321: 10 for $6.75
7322: 20 for $11.50
7323: 50 for $27.00
7324: 200 for $95.00

Ipheion uniflorum
Spring Starflower

Formerly *Tritelia uniflora*. Starry 1" flowers, strongly honey scented. Several single-flowered stems arise from each critter-resistant tuber. Easy and attractive, performs best when slightly crowded. Grass-like leaves emerge in fall, make good edging, and smell like garlic only if crushed. Excellent in rock garden or front of the border, good in pots or naturalized in moist but well-drained soil, full sun to partial shade. Native to Uruguay and Argentina. Z5-10, 4-6", MS-LS. 3cm/up.



I. uniflorum

Color develops from pale blue to soft violet with darker midribs.

7331: 10 for $2.90
7332: 20 for $4.85
7333: 50 for $10.90 *7334: 200 for $38.00*

I. u. Mix - Sweetly scented low-growing flowers in a mix of colors: pale blue, medium blue, yellow, bluish-white and violet.

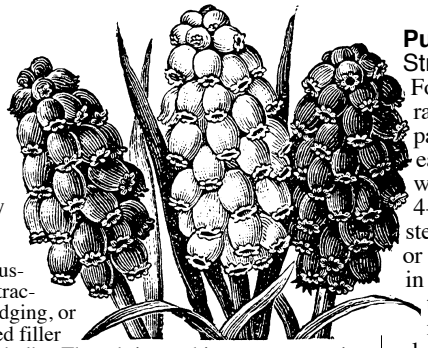
7341: 10 for $2.90 *7342: 20 for $4.85*
7343: 50 for $10.90 *7344: 200 for $37.00*

Leucojum aestivum var. Gravetye Giant
Summer Snowflake or Lodden Lily

Again this year we offer the Giant, which has 20% larger bulbs, 30% taller plants and up to 100% more flowers per stem than the "plain" species for only 10% higher cost. Same pure white bells with scalloped edges and green spots, and up to three times the height of Snowdrops. This tall Summer Snowflake has 5-9 faintly violet-scented flowers per stem, reminding us of giant lilies-of-the-valley. Blooms for several weeks. Will spread in a damp—but not wet—location; prefers heavy soil and bright light, but not direct sun. Species is native from Ireland to the Caucasus. Z4-9, 18-36", LS. 12-13cm.

7351: 5 for $5.00 *7352: 10 for $8.50*
7353: 25 for $19.00 *7354: 100 for $72.00*

Muscari
Grape Hyacinth



Distinctive pyramidal spikes of fragrant long-lasting densely packed bells, like upside-down grape clusters. Makes attractive borders, edging, or brightly colored filler between other bulbs. They thrive and increase except in damp or shady areas. Divide when dormant in summer. Do not cut their autumn leaves or they will lose vigor.

M. armeniacum - Long racemes of bright cobalt blue with subtle white rims; good for forcing, cutting, naturalizing and filling in the border. Fragrant. The most commonly grown grape hyacinth and a great counterpoint to red, yellow, white, salmon, peach.… Z4-9, 6-8", MS. 7-8cm.

7361: 10 for $2.10 *7362: 20 for $3.65*
7363: 50 for $8.25 *7364: 200 for $28.00*

M. a. 'Blue Spike' - Tightly packed doubled flowers in bright flax blue. Sterile; flower lasts longer than other Muscari, but is slower to spread. Z4-9, 6-8", MS. 8-9cm. **BACK!**

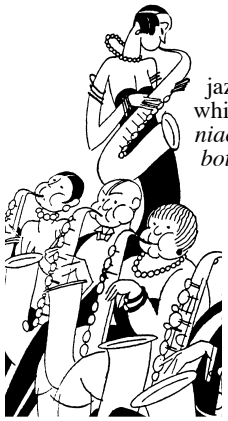
7371: 10 for $3.50 *7372: 20 for $5.75*
7373: 50 for $13.25 *7374: 200 for $48.00*

M. botryoides 'Album' - Pearls of Spain - Sweetly perfumed pure white bells. Slender racemes show best when closely planted. Z3-8, 4-6", MS. 6cm/up.

7381: 10 for $4.10 *7382: 20 for $6.85*
7383: 50 for $15.75 *7384: 200 for $55.00*

M. latifolium - Tall, with a large dense bicolor flower; top third is deep sky-blue fading to lilac, the bottom is dark violet. Unusual single side leaf. The earliest of all Muscari, and our second-best-selling variety. Every year we enjoy these more. Z2-6, 8-12", ES-MS. 5-6cm.

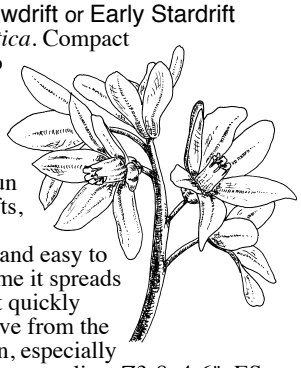
7391: 10 for $2.75 *7392: 20 for $4.60*
7393: 50 for $10.50
7394: 200 for $38.00



Muscari Bluezz Mix - A jazzy little quintet of blue and white. Contains *Muscari armeniacum*, *M. a.* 'Blue Spike', *M. botryoides* 'Album', *M. latifolium*, plus a tricolor of pale blues, *M. a.* 'Peppermint'. Z4-6, 4-12", ES-MS.

7401: 10 for $3.15
7402: 20 for $5.25
7403: 50 for $11.80
7404: 200 for $40.00

Puschkinia scilloides
Striped Squill, Snowdrift or Early Stardrift



Formerly *P. libanotica*. Compact racemes of white to pale blue flowers, each petal striped with darker blue. 4-10 open bells per stem. Plant in full sun or light shade as drifts, in borders, or under trees. Very hardy and easy to naturalize. For some it spreads slowly, others find it quickly forms colonies. Native from the Caucasus to Lebanon, especially in grasslands near the snow line. Z3-8, 4-6", ES. 5cm/up. ✦¢✦

7411: 10 for $2.80 *7412: 20 for $4.50*
7413: 50 for $10.50 *7414: 200 for $34.00*

Scilla siberica - Siberian Squill
Loose clusters of delicate pendent bells with a very long bloom time. Prefers cool places, under shrubs, in short grass. May be the most shade-tolerant bulb but also performs well in sun. Excellent naturalizer, amazingly hardy. Z2-8, 6-8", ES.

Scilla siberica - Bright flax-blue bells. Very prolific, can form great drifts. Lightly scented. 7-8cm.

7421: 10 for $2.90 *7422: 20 for $4.75*
7423: 50 for $11.00 *7424: 200 for $35.00*

S. siberica 'Alba' - Pure white. More gardeners should try this lovely white naturalizer. 8cm/up.

7431: 10 for $5.40 *7432: 20 for $9.00*
7433: 50 for $22.00 *7434: 200 for $78.00*

Discounts on orders received by August 21, 2015: **take 5% off at $100,** 10% off at $300, 12% off at $600, 15% off at $1000.

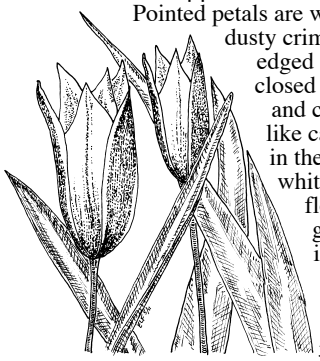
Species Tulips

The original wild tulips from the center of tulip diversity in central Asia, and their cultivars which still have a "wild" look, form Tulip Division 15. All our stock is nursery-propagated from commercial sources and is not collected in the wild. Once established with good drainage, these tend to perennialize or naturalize, unlike many of the big hybrid tulips. Not tall, showy or formal, they have their own halfling charms. Topsize bulbs vary in size according to species.

T. batalinii 'Bronze Charm' - Soft sulphur yellow becoming subtly flushed with apricot. Delicate 2" miniature has more classic cup-type tulip shape than other species tulips. Light fragrance. Wavy leaves with red margins in a rosette. Z3-8, 4-6", MS-LS, 6cm/up.

8011: 5 for $1.95 *8012: 10 for $3.25*
8013: 25 for $7.50 *8014: 100 for $25.00*

T. clusiana - Peppermint Stick or Lady Tulip



Pointed petals are white inside with a dusty crimson-pink exterior edged with white. When closed morning, evening and cloudy days, looks like candy. Opens wide in the sunshine to a big white star. One or two flowers per bulb. A good perennializer if left undisturbed. Species native to the Himalayas. Z4-8, 8-12", MS, 5cm/up.

8021: 5 for $3.15 *8022: 10 for $5.25*
8023: 25 for $11.80 *8024: 100 for $39.00*

T. humilis 'Persian Pearl' - Dusky magenta outside, lightly veined green. Inside deep violet-magenta with a bright yellow base. Opens wide in sun offering cheery color and sweet scent. Species native to mountains of Kurdistan. Z4-8, 4-8", ES-MS, 6cm/up.

8031: 5 for $2.00 *8032: 10 for $3.25*
8033: 25 for $8.00 *8034: 100 for $28.00*

T. linifolia - Pointy fluorescent scarlet petals on a purple-black base. Petals open fully in sun, close at night. Red-edged very wavy grey-green basal leaves. Attracting attention since 1884. Z4-8, 6-8", MS-LS, 5cm/up. ✦¢✦

8041: 5 for $2.40 *8042: 10 for $4.00*
8043: 25 for $9.00 *8044: 100 for $29.00*

T. 'Red Hunter' - Eye-catching flash of red low to the ground with slender green leaves. Larger and less pointy a flower than *T. linifolia*, with just as engaging a color. Petals open in full sun to reveal intense iridescent black base and anthers. Z3-8, 6-8", MS-LS, 6cm/up.

8051: 5 for $3.10 *8052: 10 for $5.20*
8053: 25 for $11.70 *8054: 100 for $40.00*

T. saxatilis - Pointed lilac-pink petals with a prominent yellow base. 1-3 flowers per stem, long bright-green shiny leaves. Very easy to grow, spreads by runners. Likes hot summers, doesn't mind rocky ground or poor soil. Native to Crete. Z4-10, 6-8", LS, 6cm/up.

8061: 5 for $3.00 *8062: 10 for $5.00*
8063: 25 for $11.50 *8064: 100 for $39.00*

T. tarda - Syn. *T. dasystemon* - Star-shaped yellow flowers with white tips, outside white lightly flushed with dusky purple. Opens wide even on grey days. Very multi-floral, 4-6 flowers per bulb. Wonderful rosette of wavy basal leaves. Very long-lived. One of the easiest to grow, spreads readily, even on the shady north side of the house. Z3-8, 4-5", MS, 8cm/up.

8071: 5 for $2.25 *8072: 10 for $3.75*
8073: 25 for $8.50 *8074: 100 for $29.00*

T. turkestanica - One of the earliest tulips to bloom. Graceful pendent flowers, up to 5 per stem, sway along slender stems like wildflowers dancing in the breeze. White petals with yellow centers, flushed greyish violet outside. Flowers close up at night and on cloudy days. Very easy to grow. Native to eastern Tian Shan mountains. Z4-8, 6-8", ES-MS, 5cm/up. ✦¢✦

8081: 5 for $1.95 *8082: 10 for $2.95*
8083: 25 for $6.95 *8084: 100 for $25.00*

T. vvedenskyi 'Tangerine Beauty' - More like a reversed blood orange with its mix of such rich color. Brilliant scarlet-orange along each petal edge suffuses to a lighter orange at the center. Slightly twisting, slightly reflexed 2" petals open wide in full sun above broad blue-green foliage. Z3-8, 7-9", MS-LS, 10cm/up.

8091: 5 for $3.50 *8092: 10 for $5.75*
8093: 25 for $13.25 *8094: 100 for $46.00*

Little Stars Rockgarden Mix

Cheerful star-shaped multifloral tulips whose low-growing spreading habits make them perfect for a rock garden. Contains a mix of *T. tarda*, *T. saxatilis*, *T. humilis* 'Persian Pearl', *T.* 'Little Beauty' (deep reddish-pink petals and a steel-blue center bordered with a lighter ring), and *T.* 'Little Princess' (burnt orange blushed with pink, a black center, edged yellow), and other little stars. Z4-8, 4-6", ES-LS, 6cm/up. ✦¢✦

8101: 10 for $3.95 *8102: 20 for $6.60*
8103: 50 for $14.75 *8104: 200 for $51.00*

Botanical Tulip Collection

Sixty bulbs, six different species of tulips to ensure color throughout the spring and for years to come in rock gardens or "close-by" borders. Ten each of *T. batalinii* 'Bronze Charm', *T. humilis* 'Persian Pearl', *T. linifolia*, *T. saxatilis*, *T. tarda*, and *T. turkestanica*, individually packaged and labeled. See descriptions for color details. Plants 5-6 sq. ft. Z4-8.

8111: 1 for $21.00 *8112: 2 for $39.00*

Garden Tulips

Wonderful massed or as accents, these colorful flowers are highlights of spring. Most varieties are also good for cutting, and many are good for forcing. Division 1-14 tulips all grow in Zones 3-7. Topsize bulbs, 12cm/up, except where we specify Jumbo.

— Early Tulips —

'Apricot Beauty' - Soft apricot-pink petals tinged with rose and salmon with an uncommon light green base. Fragrant, truly lovely, good for forcing, and one of the world's best-selling tulips. 14-16", Div1. ✦¢✦

9011: 5 for $3.80
9012: 10 for $6.25
9013: 25 for $14.50 9014: 100 for $49.00

'Purple Prince' - Deep bluish-purple with dusky lilac flames, reddish-purple inside. Large flowers with a scalloped edge. Complex coloration mixes well with other flowers. 12-14", Div1. ✦¢✦

9021: 5 for $2.70 9022: 10 for $4.50
9023: 25 for $10.20 9024: 100 for $32.00

'Red Emperor' - Huge blooms of fiery red with enormously long petals on a black and yellow base. One of the all-time favorites; also known as '**Madame Lefebre**'. Fosteriana type is great with narcissus. 12-16", Div13. ✦¢✦

9031: 5 for $3.00 9032: 10 for $5.00
9033: 25 for $11.25 9034: 100 for $40.00

Tulip Classes

Div1 Single Early Cup-shaped long-lasting flowers. The oldest class of cultivars. Good for forcing. ES.
Div2 Double Early Semi- to fully double ruffled flowers on short sturdy stems. ES.
Div3 Triumph Cup-shaped flowers in the largest palette of colors. The best class for forcing. Foliage dies back early; easily removed or overplanted. MS.
Div4 Darwin Hybrid Large long-blooming weather-resistant ovoid flowers on tall stems. MS-LS.
Div5 Single Late Cup- or goblet-shaped flowers, includes Mayflowering, Cottage, Breeder and Darwin tulips. Tall, in a wide range of colors. LS.
Div6 Lily-flowered Pointed reflexed petals and a slender "waist." Similar to the Ottoman tulips. LS.
Div7 Fringed A finely cut fringe on the petal edge. Also known as Crispa tulips. LS.
Div8 Viridiflora "Green Flower" tulips have a broad green flame up the outside of the petals. LS.
Div9 Rembrandt Broken colors; all modern cultivars also belong to another class based on their shape.
Div10 Parrot Feathered, curled, twisted petal edges. The bud is said to resemble a parrot's beak. MS-LS.
Div11 Double Late Fully doubled ruffled flowers, commonly called Peony tulips. LS.
Div12 Kaufmanniana Low-growing, wide opening; perennialize well. Also called Waterlily tulips. VE-ES.
Div13 Fosteriana Large single flowers with long petals in rich vivid colors. Reasonably long-lived, good for forcing. Also called Emperor tulips ES.
Div14 Greigii Large blooms, short stems; perennialize well. Foliage is streaked or mottled burgundy. ES.
Div15 Species Wild types and their cultivars.

— Mid-season Tulips —

'Bastogne' - Deep blood red, with cardinal red flames and a yellow base. Large flowers with light fragrance. 18-20", Div3. ✦¢✦

9041: 5 for $3.00 9042: 10 for $5.00
9043: 25 for $11.25 9044: 100 for $40.00

'Passionale' - Lilac-purple with deeper purple flames, beetroot interior with a yellow base. 14-16", Div3. ✦¢✦

9051: 5 for $2.90 9052: 10 for $4.65
9053: 25 for $10.45 9054: 100 for $39.00

'Prinses Irene' - Wonderfully complex rich salmony-apricot-orange petals are finely etched with a plum-violet flame. Fragrant. Popular for forcing. 12-14", Div3. ✦¢✦

9061: 5 for $2.60 9062: 10 for $4.30
9063: 25 for $10.00 9064: 100 for $35.00

'Rajka' - Like a bowl of Bing cherries with whipped cream edging. An impressive beauty with maroon-red pointed petals with shimmering white edges. Opens wide in full sun, showing its all-white interior which somehow is also translucent, revealing the deep red exterior; closes up at night. Rajka is also the name of a Czech apple cultivar. 18-20", Div3. ✦¢✦

9071: 5 for $3.80 9072: 10 for $6.25
9073: 25 for $14.50 9074: 100 for $53.00

'Shirley' - Delicate marble-ivory with a fine purple edge that slowly widens into a broad lavender blush. Shows a different look each day. 18-20", Div3. ✦¢✦

9081: 5 for $3.20 9082: 10 for $5.25
9083: 25 for $12.00 9084: 100 for $42.00

'Washington' - Canary-yellow petals flamed and streaked with cherry-red. A Rembrandt-type that shows the "broken color" effect that crazed Holland's economy nearly 400 years ago. 20-24". Div3. Jumbo bulbs, 14cm/up. ✦¢✦ **NEW!**

9091: 5 for $3.75 9092: 10 for $6.25
9093: 25 for $14.50 9094: 100 for $53.00

Darwin Hybrids

Often sold as "Perennial Tulips" because they reliably produce flowers for many years longer than many other tall tulips. Large long-blooming weather-resistant flowers. Div4.

'Daydream' - Opens yellow, matures to rich apricot, with hints and blushes of yellow and rose. Fragrant. Stunning, says Gene. 20-28". ✦¢✦

9101: 5 for $2.90 *9102: 10 for $4.85*
9103: 25 for $10.90 *9104: 100 for $38.00*

'Golden Oxford' - Big bold golden-yellow flowers, occasionally touched with red at the petal's rim. Pair it with 'Oxford' for a quintessential tulip combination. ✦¢✦ **BACK!**

9111: 5 for $2.60 *9112: 10 for $4.30*
9113: 25 for $9.70 *9114: 100 for $29.00*

'Gudoshnik' - Creamy yellow with varying amounts of red streaks, dapples and flames, becoming more saturated as each flower matures. No two are alike; one of Gene's favorites and he has the artist's eye. Impressive en masse or solo up close in the vase. 20-28". ✦¢✦

9121: 5 for $3.40 *9122: 10 for $5.65*
9123: 25 for $12.70 *9124: 100 for $47.00*

'Ollioules' - Pinky cream flowers are heavily brushed with silvery pink and lavender. Edges mature to a silvery white. Wonderfully elegant. Ollioules (*ole-yule*) is a town at the center of the French flower industry. 20-28". ✦¢✦

9131: 5 for $3.00 *9132: 10 for $5.00*
9133: 25 for $11.25 *9134: 100 for $37.00*

'Orange Queen' - Sumptuous mix of shades of orange on large 4" blooms. Opens with a yellow base outside, pale to medium orange on the petals, with touches of fiery red-orange on the edges. Becomes deeper orange, with more fire on the edges as it matures. Black base inside. 20-22". Jumbo bulbs, 14cm/up. ✦¢✦ **NEW!**

9141: 5 for $3.15 *9142: 10 for $5.25*
9143: 25 for $11.85 *9144: 100 for $39.00*

'Oxford' - Bright scarlet blooms with a purple-red blush on the outside. Rich mustard-yellow base inside is brilliantly contrasted by the black stamens. 20-28". ✦¢✦

9151: 5 for $2.60 *9152: 10 for $4.30*
9153: 25 for $9.70 *9154: 100 for $28.00*

'Pink Impression' - Deep rose exterior with deep pink veins, light pink flames, and delicate pink edges; inside light pink and pale rose. Taller and larger than most, with lots of subtle gradations, and quite gorgeous. 24-32". Jumbo bulbs, 14cm/up. ✦¢✦

9161: 5 for $3.15 *9162: 10 for $5.25*
9163: 25 for $11.85 *9164: 100 for $39.00*

All Garden Tulips we offer are Topsize (12cm/up) or Jumbo (14cm/up) bulbs.
See p. 35 for Tulip Division descriptions.

— Late Tulips —

'Cum Laude' - About as close to blue as you're going to get in a tulip. Large flowers of campanula-violet with a slight wave at the edges. White at the base. ✦¢✦ **BACK!**

9171: 5 for $3.75 *9172: 10 for $6.25*
9173: 25 for $14.50 *9174: 100 for $53.00*

'Kingsblood' - Dark cherry-red with scarlet edges. One of the best reds: large and long lasting with sturdy stems. 20-24", Div5. ✦¢✦

9181: 5 for $2.75 *9182: 10 for $4.60*
9183: 25 for $10.50 *9184: 100 for $33.00*

'Maureen' - Long marble-white blooms with pastel yellow undertones are stunning each year standing tall over our bed of forget-me-nots. Statuesque seedling of 'Mrs John T Scheepers'. Important variety in the cutflower trade. Tall, 24-28", Div5. Jumbo bulbs, 14cm/up. ✦¢✦

9191: 5 for $4.25 *9192: 10 for $7.10*
9193: 25 for $16.00 *9194: 100 for $58.00*

'Menton' - A medium pink with hints of violet and a subtle but distinctive apricot edge. Salmon on the inside with a yellow base. A sport of 'Renown'. Stands tall at 24-28", Div5. ✦¢✦

9201: 5 for $2.90 *9202: 10 for $4.85*
9203: 25 for $10.90 *9204: 100 for $38.00*

'Mrs John T Scheepers' - What many consider the best yellow tulip ever developed. Rich luminous color with perfect form provides the wife of "the Tulip King" her own wonderful form of immortality. Won its first of many awards in 1930, and stands head and shoulders above all its neighbors. 24-26", Div5. ✦¢✦

9211: 5 for $3.70 *9212: 10 for $6.20*
9213: 25 for $13.90 *9214: 100 for $50.00*

'Queen of Night' - Called black, but really deep dark velvety purple-maroon with a hint of concord grape. For decades, the standard "black" in the Single Late group. 26-30", Div5. ✦¢✦

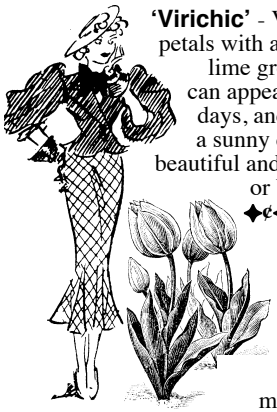
9221: 5 for $2.75 *9222: 10 for $4.60*
9223: 25 for $10.50 *9224: 100 for $33.00*

'Rococo' - Carmine-red Parrot tulip with ruffled petal borders. Central ribs warmly splashed in shades of green and plum. Very showy. Bred from 'Coleur Cardinal' and quite sumptious to behold. Large blooms need room and wind protection. Wonderful cutflowers that really fill up the vase. 12-14", Div10. ✦¢✦

9231: 5 for $3.40 *9232: 10 for $5.65*
9233: 25 for $12.70 *9234: 100 for $47.00*

'Esperanto' - Red petals with flaming green midribs that appear almost chocolate in bright light. Leaves edged white, the green flames also lightly touched. Long-lasting cutflower is especially rewarding for its complexity and dramatic color when studied up close. If only the human-made language proposed to bring people together had the success of this beautiful combination. 12-14", Div8. ✦¢✦

9241: 5 for $3.60 *9242: 10 for $6.00*
9243: 25 for $13.75 *9244: 100 for $48.00*



'Virichic' - Very chic, indeed. Pink petals with a broad midrib flame of lime green. Translucent petals can appear soft pink on overcast days, and approach hot pink on a sunny day. Viridiflora tulip is beautiful and long-lasting in garden or bouquet. 18-22", Div8. ✦¢✦

9251: 5 for $3.90
9252: 10 for $6.50
9253: 25 for $14.60
9254: 100 for $53.00

'Ballade' - Often described as reddish-magenta, I see it as rosy-lilac, or maybe soft fuchsia. A shining band of white feathers the petal edges. This beautiful lily-flowered tulip has been gracing gardens for over 50 years. 20-22" Div 6. ✦¢✦ **NEW!**

9261: 5 for $3.40 *9262: 10 for $5.65*
9263: 25 for $12.70 *9264: 100 for $46.00*

'Ballerina' - Shimmering long-lasting tangerine Lily-flowered blooms subtly tinged with crimson and lemon. Incredibly lovely, with elegant reflexed petals, a slender waist, and tall thin sturdy stems. Sweet scent perks up around dusk. 18-22", Div6. ✦¢✦

9271: 5 for $3.25
9272: 10 for $5.50
9273: 25 for $12.50
9274: 100 for $43.00

'Angelique' - Shades of pastel pink and pale rose with lighter edges predominate this Double. This well-known fragrant and delicate beauty is our best-selling peony-flowered tulip. A very popular garden tulip, also good for forcing. 14-18", Div11. ✦¢✦

9281: 5 for $2.95 *9282: 10 for $4.95*
9283: 25 for $11.25 *9284: 100 for $39.00*

'Charming Beauty' - Pastel shades of apricot, peach and yellow that become deeper towards the center make this Double as charming as it is beautiful. 16-18", Div 11. ✦¢✦ **NEW!**

9291: 5 for $4.35 *9292: 10 for $7.25*
9293: 25 for $16.75 *9294: 100 for $59.00*

'Miranda' - Fully doubled bright red, with hints of yellow deep inside the center and green outside at the base. The name Miranda means 'worthy of admiration' and here we agree. 18-22". Div 11. ✦¢✦ **NEW!**

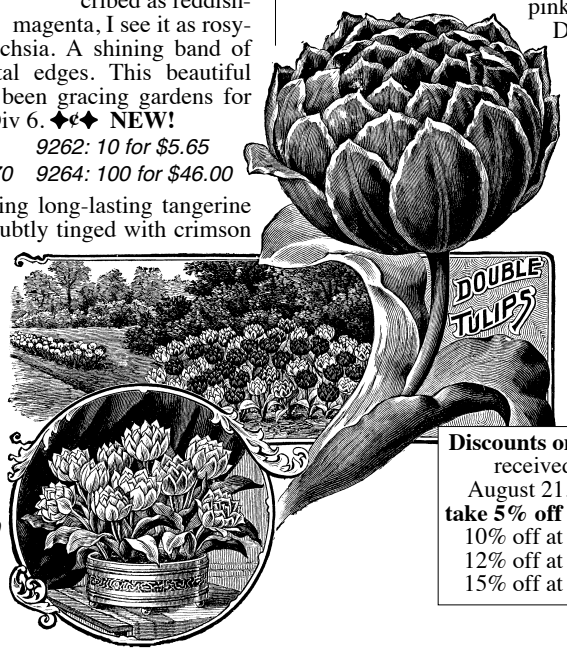
9301: 5 for $3.30 *9302: 10 for $5.50*
9303: 25 for $12.40 *9304: 100 for $43.00*

'Mount Tacoma' - Pure white. One of the fullest Doubles and a great complement to just about anything, whether in beds, borders or vases. Double peony tulips were very fashionable in the mid-17th century, considered too flamboyant in the mid 20th, and now are enjoying a renewed popularity. 14-18", Div11. ✦¢✦

9311: 5 for $3.40 *9312: 10 for $5.65*
9313: 25 for $12.75 *9314: 100 for $45.00*

'Purple Peony' - Saturated royal purple all the way through all petals inside and out. Rich full Double makes for a wonderful contrast when planted with white 'Mount Tacoma' or pastel pink 'Angelique'. 16-18", Div11. ✦¢✦

9321: 5 for $3.40
9322: 10 for $5.65
9323: 25 for $12.75
9324: 100 for $44.00



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Tulip Mixes

All mixes contain Topsize bulbs, 12cm/up.

Color Parade - A multi-colored gaggle of showy shorties strut their stuff early in the season. Kaufmanniana and Greigii tulips produce large low-growing flowers that open wide in the sun, and perennialize well. Pink, red and yellow, both solids and bicolors, singles and multiflorals, some with burgundy-streaked foliage. Reliable exuberant color. 8-12", ES-MS, Divs12&14.

8511: 10 for $7.50 8512: 20 for $12.75
8513: 50 for $29.00 8514: 100 for $54.00

Double Early Mix - A sassy group of Double Early tulips for the front row of your garden beds and borders. Fully double flowers in bright colors atop of sturdy 8-12" stems which stand up well in heavy spring rains. 10-14", ES-MS, Div2.

8521: 10 for $7.20 8522: 20 for $12.35
8523: 50 for $30.75 8524: 100 for $53.00

Emperor Mix - A royal mix of Fosterianas for big, bold, early color. We planted some outside the Fedco Trees warehouse in 2011, and this mix garnered rave reviews for three years in late April. 12-16", ES, Div13.

8531: 10 for $6.90 8532: 20 for $11.75
8533: 50 for $27.00 8534: 100 for $48.00

Non-Stop Reds Tulip Mix - Celebrate spring with a long-lasting patch of bright red color. A blend of five or more varieties selected from early, mid and late tulips. Keep that spring fire burning for weeks, come rain or shine. 12-24".

8541: 10 for $7.20 8542: 20 for $12.35
8543: 50 for $30.75 8544: 100 for $53.00

Bloody Flamin' Triumph Mix - And a Bloody Flamin' Triumph it is too, matey. A mix of Triumph tulips in bold colorful splashes of red, white, purple and plum, all with contrasting purple or red flames. 14-18", MS, Div3.

8551: 10 for $6.25 8552: 20 for $10.50
8553: 50 for $25.00 8554: 100 for $44.00

Pastel Triumph Mix - Soft but not wishy-washy, just easy on the eyes with no sharp edges. This tranquil blend displays quiet beauty in the neighborhood. 18-20", MS, Div3.

8561: 10 for $5.90 8562: 20 for $9.75
8563: 50 for $22.75 8564: 100 for $39.00

Shock the Neighbors - Our vibrant purple and orange combination will raise eyebrows among your neighbors who plant only red and yellow tulips. Huge 'Orange Emperor' and purple-flamed 'Purple Prince' are followed by 'Prinses Irene' rich salmon with violet flames. Overplant with 'Jolly Joker' pansies for maximum effect. Our formula mix of topsize bulbs. 14-18", ES-MS.

8571: 10 for $6.10 8572: 20 for $10.25
8573: 50 for $24.50 8574: 100 for $43.00

Multifloral Tulip Mix - Multiple flowers per stem means filling the vase fast! Add many colors and blooms to your displays with this bunch-flowering mix that includes bicolor yellow and red, all-red, hot pink, rose pink and all-yellow. Triumph, Greigii and Single Late varieties. 16-20", MS-LS.

8581: 10 for $8.20 8582: 20 for $13.75
8583: 50 for $31.00 8584: 100 for $54.00

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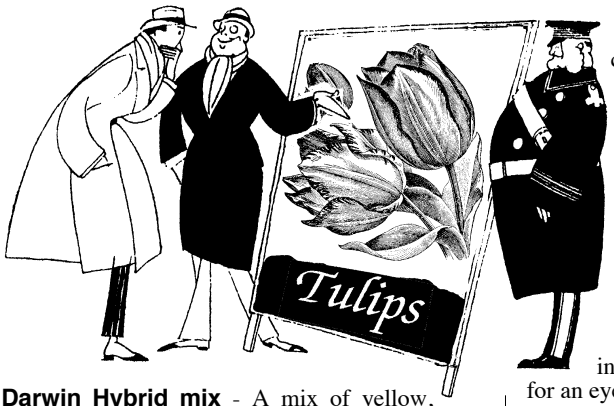
Planting Tulips for Longevity

Some gardeners treat tulips like annuals, removed and replaced yearly. Others feed the greens in spring, dig the bulbs in early summer after the foliage has browned, ripen the bulbs in a cool dry place, and replant in fall—a time-consuming process that increases the probability of blooms the next year.

You can take simpler steps to encourage your tulips to come back. Choose a sunny location and plant the bulbs 8-10" deep (yes, that deep!) in well-drained soil, 3-4 weeks before the ground freezes.

During spring growth, check the soil weekly if there is little rain, and water if 1/2" below the surface is dry. Deadhead to force the plant's energy into the bulb. Don't cut or tie the foliage until it has begun to yellow. Overplant with annuals or perennials to keep the soil dry down where the bulb is.



Darwin Hybrid mix - A mix of yellow, red, apricot, white, pink and more. Long-lived bulbs produce a perennially perfect long-lasting bouquet. 20-28", MS-LS, Div4.

Jumbo **Darwin Hybrid mix** 14cm/up.

8591: 5 for $4.00 *8592: 10 for $6.65*
8593: 25 for $14.95 *8594: 100 for $52.00*

Topsize **Darwin Hybrid mix** 12cm/up.

8601: 10 for $5.50 *8602: 20 for $9.25*
8603: 50 for $21.50 *8604: 200 for $75.00*

Princess Family Tulip Mix - All the members of this family have the rich plum-violet rib flames and feathering of their parent, 'Coleur Cardinal', a deep crimson Triumph. Also includes 'Prinses Irene', a delicious salmon-orange Triumph; 'Orange Princess', a nasturtium-orange Double Late; and 'Rococo', a rich red Parrot, with plum feathers. Diana is particularly fond of this mix and describes it as rich, voluptuous and earthy. 12-14", MS-LS.

8611: 10 for $7.25 *8612: 20 for $12.15*
8613: 50 for $27.25 *8614: 100 for $49.00*

HooHaa Blend - As in "Whoa! Lookie here!" Deep colors that glow in the garden or vase: 'Renown' (carmine-red) and 'Greuze' (deep purple) with a touch of 'Queen of Night' (purple-black). Astounding colors in our formula mix of topsize Single Late tulips. 22-26", LS, Div5.

8621: 10 for $7.75
8622: 20 for $13.50
8623: 50 for $30.00
8624: 100 for $56.00

Rembrandt-type Flaming Tulip Mix - Broken-color and flamed tulips, originally the result of a virus, were wildly popular in the early 1600s. Propagating infected plants is now stringently restricted in Holland, but breeders have created varieties resembling those depicted in paintings by the Dutch masters. A mix of white, cream and yellow Single Late varieties, broken and flamed with shades of red and purple. 18-28", LS, Div5.

8631: 10 for $8.50 *8632: 20 for $14.25*
8633: 50 for $32.00 *8634: 100 for $57.00*

Flash of Green Tulip Mix - A mix of four or more Viridiflora tulips, colors of china pink, scarlet red, lemon yellow and marble white, all with a distinctive spring-green flare on the outer petals. Sturdy stems support this long-lived group. 18-22", LS, Div 8. **NEW!**

8641: 10 for $8.75
8642: 20 for $14.75
8643: 50 for $33.00
8644: 100 for $60.00

Lily-Flowering Mix - High-waisted flowers with pointed and reflexed petals have an appealing elegance. Warm tones including red, orange, burgundy, and pink, for an eye-catching effect. 18-24", LS, Div6.

8651: 5 for $4.10 *8652: 10 for $6.85*
8653: 25 for $15.30 *8654: 100 for $52.00*

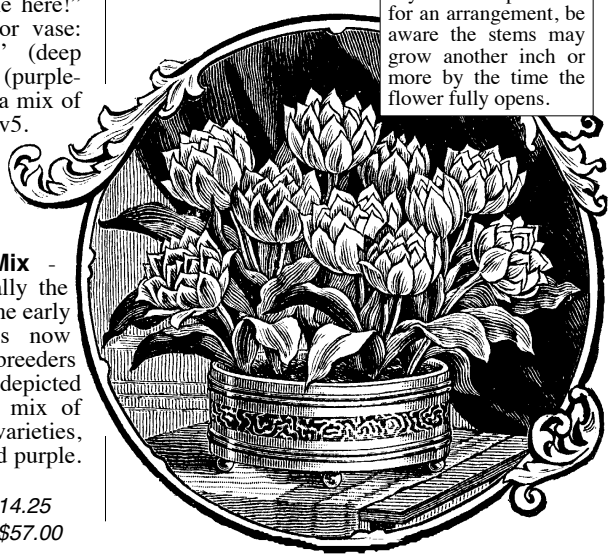
Parrot Tulip Mix - Riotous mix of colors that could match the squawk of the flock on Telegraph Hill. Red, white, yellow, magenta, pink, deep rose, and even flames of green. Solids and bicolors in the flamboyant parrot form. Large heavy blooms need wind protection. 18-22", LS, Div10.

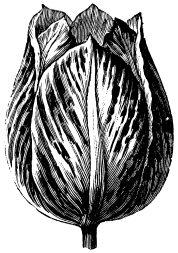
8661: 5 for $5.10 *8662: 10 for $8.50*
8663: 25 for $19.25 *8664: 100 for $72.00*

"Peony" Double Late Mix - Packs peony-style petal power in a dramatic range of colors, from white and pastels to red and purple. Double Late tulips in solids, bicolors, blushes, brushes and flames for your cutting garden and vase. 6-8 varieties. Plant some Double Early Mix for a doubly full season of tulip colors. 14-18", LS, Div11.

8671: 10 for $7.75 *8672: 20 for $13.50*
8673: 50 for $30.00 *8674: 100 for $53.00*

If you cut tulips in bud for an arrangement, be aware the stems may grow another inch or more by the time the flower fully opens.





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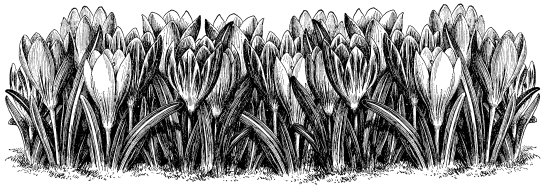

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